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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF
LEVELS, TRENDS AND
TURNOVER RATES

SEPTEMBER 1979
Vol. XXIV No. 9

JOB SERVICE

- EXPLANATORY -

INDUSTRY EMPLOYMENT

Employment data, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives."

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing to:
PENNSYLVANIA BUREAU OF EMPLOYMENT SECURITY
COOPERATING REPRESENTATIVE
U.S. BUREAU OF LABOR STATISTICS
LABOR AND INDUSTRY BUILDING-ROOM 1202
HARRISBURG, PENNSYLVANIA 17121
or telephone: 717 – 787-3129

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PENNSYLVANIA EMPLOYMENT & EARNINGS

AUGUST 1979

Unemployment continued to increase in August. Both adjusted and unadjusted estimates indicated a dwindling demand for workers. The unadjusted data showed 373,000 jobless persons during this period and represented 7.0 percent of the civilian labor force - an increase of .7 percent over the month and a half-percent higher than a year ago. Seasonal adjustments placed the jobless picture in an even more serious light, with a rate of 7.3 percent - or 385,000 unemployed persons. This was a full percent above July and showed the same year ago comparison as did the unadjusted figures.

Total resident employment was estimated at 4,977,000 - down 81,000 during this period. It did, however, show a higher level than August a year ago.

LABOR DISPUTES STRONGLY AFFECT FACTORY JOB COUNTS

7,900 factory jobs were lost during August. This resulted in a downward movement in manufacturing employment - seldom seen at this time of the year.

Two significant factors prevented the normal increase in factory employment anticipated for the July-August cycle. A major strike in the ELECTRICAL MACHINERY industry threw an estimated 15,000 workers off the payrolls during the 50 day walkout. Concomitantly, an estimated 3,000 APPAREL workers on vacation in July were not recalled in August due to an industry wide slump in orders. To a lesser degree, labor-management disputes also adversely influenced the NONELECTRICAL MACHINERY group, STONE, CLAY AND GLASS industries and TRANSPORTATION EQUIPMENT.

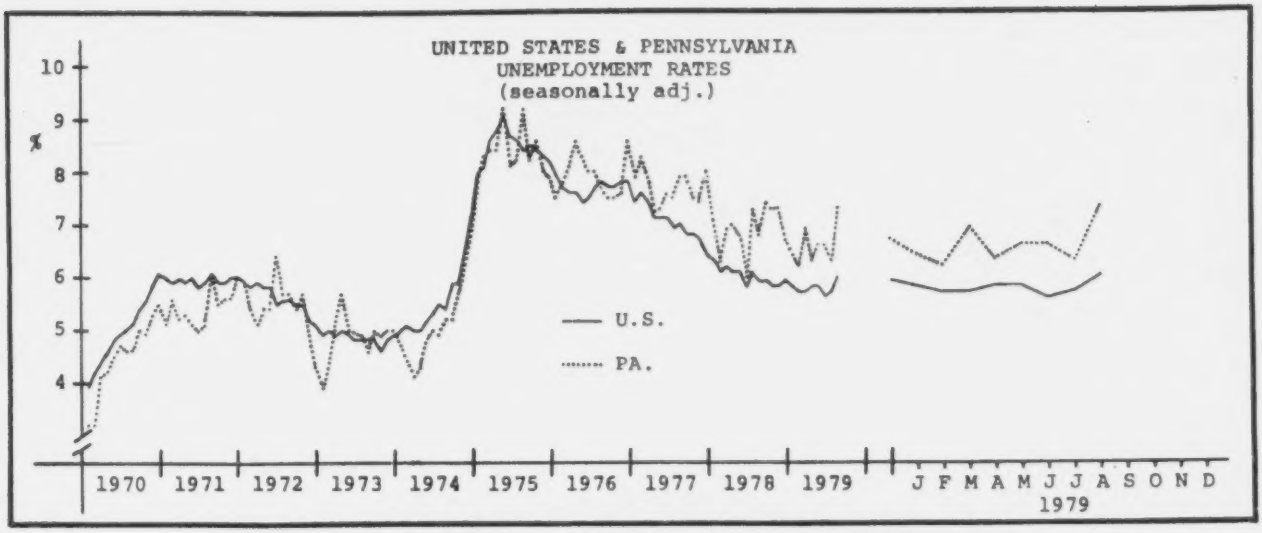
The growing incidence of layoffs and recalls during July might well be pointing to unsteady employment conditions in Pennsylvania factories while the decline in quits and new hires is strong evidence of a constricting job market. Separations as a whole increased 18 percent during the month. The employment situation suggested further deterioration, with an 11 percent decline in accessions. In both durable and nondurable industries the new hire and quit rates were down.

FACTORY EARNINGS CLIMB

Earnings climbed nine cents an hour in August for Pennsylvania's more than 993,000 factory production workers. These increases were, as might be expected, more prominent in durable industries than in nondurables. Rate increases in PRIMARY METALS and premium paid hours in other industries had a significant impact on the averages. The workweek fluctuated among the industry lines but on the whole ended on the down-side. Production workers averaged $7.04 an hour for a 39.7 hour week (a loss of twelve minutes). Nationally, the hourly rate stood at $6.68, showing a three cent loss while the workweek remained a stable 40.0.

NONMANUFACTURING JOB LEVELS REMAIN STABLE

Nonmanufacturing employment, totaling 3,323,000 dipped in August. This drop of 1,200 was minimal, however, with no particular industry showing significant strength or weakness. RETAIL TRADE lost 600 jobs, the sharpest single decline. Only two divisions, TRANSPORTATION AND PUBLIC UTILITIES and FINANCE showed any gains and these were practically negligible. Over the year, GOVERNMENT jobs declined by more than 22,000, CONSTRUCTION and RETAIL TRADE showed sizable losses, 15,200 and 12,500 respectively, while SERVICES gained nearly 25,000 and FINANCE, INSURANCE AND REAL ESTATE, 11,000.



EMPLOYMENT DATA IN THIS PUBLICATION HAVE BEEN REVISED TO FIRST QUARTER 1978 BENCHMARKS, AND ARE THEREFORE, NOT STRICTLY COMPARABLE WITH FIGURES PUBLISHED PRIOR TO JANUARY 1977. DATA ARE BASED ON INDUSTRY CLASSIFICATION IN ACCORDANCE WITH THE REVISED 1972 STANDARD INDUSTRIAL CLASSIFICATION MANUAL.

On all tables data for most recent month are preliminary and subject to revision.

ADDITIONAL NOTATION ON PAGE 13

Table 1. Resident Employment, Unemployment and Unemployed Rate
(Thousands)

	PENNSYLVANIA					UNITED STATES				
Year	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1961	4,508.0	4,080.9	427.1	9.5		70,459.0	65,746.0	4,714.0	6.7	
1962	4,474.2	4,110.5	363.7	8.1		70,614.0	66,702.0	3,911.0	5.5	
1963	4,422.9	4,090.0	332.9	7.5		71,833.0	67,762.0	4,070.0	5.7	
1964	4,430.9	4,155.2	275.7	6.2		73,091.0	69,305.0	3,786.0	5.2	
1965	4,469.3	4,263.4	205.9	4.6		74,455.0	71,088.0	3,366.0	4.5	
1966	4,558.3	4,395.0	163.3	3.6		75,770.0	72,895.0	2,875.0	3.8	
1967	4,637.0	4,467.0	170.0	3.7		77,347.0	74,372.0	2,975.0	3.8	
1968	4,634.0	4,475.0	159.0	3.4		78,737.0	75,920.0	2,817.0	3.6	
1969	4,720.0	4,566.0	154.0	3.3		80,734.0	77,902.0	2,832.0	3.5	
1970	4,833.0	4,618.0	215.0	4.4		82,715.0	78,627.0	4,088.0	4.9	
1971	4,803.0	4,543.0	260.0	5.4		84,113.0	79,120.0	4,993.0	5.9	
1972	4,875.0	4,609.0	265.0	5.4		86,542.0	81,702.0	4,840.0	5.6	
1973	4,988.0	4,747.0	241.0	4.8		88,714.0	84,409.0	4,304.0	4.9	
1974	5,036.0	4,778.0	258.0	5.1		91,011.0	85,935.0	5,076.0	5.6	
1975	5,069.0	4,647.0	421.0	8.3		92,613.0	84,783.0	7,830.0	8.5	
1976	5,094.0	4,690.0	404.0	7.9		94,773.0	87,485.0	7,288.0	7.7	
1977	5,168.0	4,770.0	398.0	7.7		97,401.0	90,546.0	6,855.0	7.0	
1978	5,252.0	4,888.0	364.0	6.9		100,420.0	94,373.0	6,047.0	6.0	
1978 Aug	5,300.0	4,954.0	346.0	6.5	6.8	102,047.0	96,116.0	5,931.0	5.8	5.9
Sep	5,257.0	4,885.0	372.0	7.1	7.4	100,838.0	95,041.0	5,797.0	5.7	5.9
Oct	5,325.0	4,955.0	369.0	6.9	7.3	101,555.0	96,095.0	5,460.0	5.4	5.8
Nov	5,332.0	4,980.0	352.0	6.6	7.3	101,659.0	96,029.0	5,629.0	5.5	5.8
Dec	5,347.0	5,026.0	320.0	6.0	6.7	101,632.0	95,906.0	5,725.0	5.6	5.9
1979 Jan	5,276.0	4,900.0	376.0	7.1	6.4	100,867.0	94,436.0	6,431.0	6.4	5.8
Feb	5,240.0	4,845.0	394.0	7.5	6.2	101,249.0	94,765.0	6,484.0	6.4	5.7
Mar	5,277.0	4,865.0	412.0	7.8	6.9	101,665.0	95,501.0	6,165.0	6.1	5.7
Apr	5,186.0	4,866.0	320.0	6.2	6.3	101,236.0	95,675.0	5,561.0	5.5	5.8
May	5,217.0	4,922.0	294.0	5.6	6.6	101,473.0	96,220.0	5,253.0	5.2	5.8
Jun	5,343.0	4,959.0	384.0	7.2	6.6	104,153.0	97,917.0	6,235.0	6.0	5.6
Jul	5,398.0	5,058.0	340.0	6.3	6.3	104,995.0	98,891.0	6,104.0	5.8	5.7
Aug	5,350.0	4,977.0	373.0	7.0	7.3	104,363.0	98,226.0	6,137.0	5.9	6.0

TABLE 2. TOTAL CIVILIAN LABOR FORCE, UNEMPLOYMENT AND EMPLOYMENT IN PENNSYLVANIA

RESIDENT DATA	Total – All Persons (In thousands)			Net Change From--	
	Aug. 1979	Jul. 1979	Aug. 1978	Jul. 1979	Aug. 1978
TOTAL CIVILIAN LABOR FORCE	5,350.0	5,398.0	5,300.0	-48.0	50.0
TOTAL UNEMPLOYMENT (UNADJUSTED)	373.0	340.0	346.0	33.0	27.0
% CIVILIAN LABOR FORCE	7.0	6.3	6.5	0.7	0.5
TOTAL UNEMPLOYMENT (SEASONALLY ADJUSTED)	385.0	336.0	358.0	49.0	27.0
% CIVILIAN LABOR FORCE	7.3	6.3	6.8	1.0	0.5
TOTAL EMPLOYMENT	4,977.0	5,058.0	4,954.0	-81.0	23.0

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

ESTABLISHMENT DATA	Total – All Jobs (Thousands)			Net Change From--	
	Aug. 1979	Jul. 1979	Aug. 1978	Jul. 1979	Aug. 1978
TOTAL NONAG. WAGE & SALARY EMPLOYMENT #	4,711.1	4,711.5	4,714.7	-0.4	-3.6
LABOR-MANAGEMENT DISPUTES	20.8	12.1	5.1	8.7	15.7
ALL MANUFACTURING INDUSTRIES	1,366.4 *	1,374.3	1,375.1	-7.9	-8.7
TOTAL NONMANUFACTURING INDUSTRIES	3,323.9	3,325.1	3,334.5	-1.2	-10.6
Mining	52.0	52.3	54.1	-0.3	-2.1
Anthracite	3.0	3.0	3.0	0.0	0.0
Bituminous	39.7	40.0	42.3	-0.3	-2.6
Nonmetallic minerals	5.2	5.2	5.0	0.0	0.2
Contract Construction	205.5	205.7	220.7	-0.2	-15.2
General building	55.0	53.6	59.6	1.4	-4.6
Heavy construction	48.1	48.3	46.2	-0.2	1.9
Special trades	102.4	103.8	114.9	-1.4	-12.5
Transportation	162.3	162.0	160.8	0.3	1.5
Railroads	44.4	44.4	45.0	0.0	-0.6
Public Utilities	104.6	104.4	101.9	0.2	2.7
Communications	54.2	54.1	53.1	0.1	1.1
Electric, gas & sanitary service	50.4	50.3	48.8	0.1	1.6
Electric systems	23.8	23.8	22.9	0.0	0.9
Gas production	11.6	11.6	11.3	0.0	0.3
Wholesale trade	229.1	229.3	227.7	-0.2	1.4
Retail trade	727.0	727.6	739.5	-0.6	-12.5
General merchandise stores	120.3	121.8	127.6	-1.5	-7.3
Department stores	106.1	107.5	111.8	-1.4	-5.7
Finance, insurance & real estate	239.7	239.6	228.7	0.1	11.0
Banking	78.9	78.8	75.7	0.1	3.2
Commercial & stock savings	72.8	72.7	70.0	0.1	2.8
Credit agencies & securities	30.9	30.9	29.1	0.0	1.8
Insurance	69.8	69.9	66.8	-0.1	3.0
Life insurance	26.1	26.2	25.1	-0.1	1.0
Fire, marine & casualty	29.2	29.2	28.3	0.0	0.9
Services	911.6	911.7	886.9	-0.1	24.7
Business services	115.0	115.2	113.6	-0.2	1.4
Health services	297.0	297.7	291.7	-0.7	5.3
Nursing & personal care	47.9	47.7	46.4	0.2	1.5
Hospitals	184.7	185.1	178.9	-0.4	5.8
Educational service	101.8	103.3	91.6	-1.5	10.2
Miscellaneous services	42.6	42.5	43.3	0.1	-0.7
Engineering & architectural	25.9	26.1	27.3	-0.2	-1.4
Government	692.1	692.5	714.2	-0.4	-22.1
Federal	128.8	129.6	131.2	-0.8	-2.4
State & local	563.3	562.9	583.0	0.4	-19.7

TABLE 3. TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA BY MAJOR INDUSTRY DIVISIONS
(Thousands)

Year and Month	Total Nonagr. Wage & Salary	Private Sector Wage & Salary	All Manufacturing	Total Non-Manufacturing	Mining	Contract Construction	Trade		
							Total	Wholesale	Retail
1968	4,263.5	3,675.3	1,570.0	2,693.4	38.0	190.2	779.0	197.5	581.5
1969	4,374.9	3,765.6	1,588.9	2,786.1	38.6	198.5	806.3	201.7	604.7
1970	4,351.6	3,732.9	1,528.8	2,822.8	39.5	192.0	816.5	203.2	613.3
1971	4,291.3	3,662.2	1,438.1	2,853.3	38.0	189.0	828.8	203.3	625.5
1972	4,400.0	3,748.1	1,444.0	2,956.0	40.2	203.1	855.3	206.8	648.5
1973	4,506.5	3,847.7	1,480.1	3,026.4	39.7	205.9	886.5	212.5	674.0
1974	4,514.6	3,832.6	1,464.5	3,050.1	42.1	200.6	879.0	213.4	665.6
1975	4,435.8	3,714.4	1,334.8	3,101.0	46.1	184.5	886.8	216.1	670.8
1976	4,512.8	3,790.7	1,335.2	3,177.5	48.3	180.3	919.3	220.7	698.6
1977	4,565.0	3,853.8	1,341.5	3,223.5	48.0	183.9	939.0	221.7	717.2
1978	4,669.9	3,951.9	1,362.1	3,307.8	46.6	195.3	969.6	226.5	743.1
1978 Aug.	4,709.6	3,995.4	1,375.1	3,334.5	54.1	220.7	967.2	227.7	739.5
Sep.	4,708.6	4,008.5	1,375.7	3,332.9	54.1	216.3	974.0	226.9	747.1
Oct.	4,721.0	4,027.1	1,372.1	3,348.9	53.4	214.3	984.0	226.7	757.3
Nov.	4,738.2	4,037.5	1,375.3	3,362.9	53.9	208.7	998.6	227.2	771.4
Dec.	4,734.8	4,027.2	1,371.2	3,363.6	52.9	192.5	1,008.0	228.3	779.7
1979 Jan.	4,634.7	3,934.0	1,364.3	3,270.5	52.7	166.1	968.7	228.0	740.7
Feb.	4,619.2	3,908.1	1,363.4	3,255.8	52.0	150.7	948.6	226.3	722.3
Mar.	4,660.7	3,947.1	1,365.4	3,295.3	52.4	166.7	957.2	226.7	730.5
Apr.	4,691.8	3,976.6	1,365.5	3,326.3	52.3	185.2	965.4	228.1	737.3
May	4,732.4	4,012.2	1,368.4	3,364.0	52.8	196.3	971.0	227.0	744.0
Jun.	4,757.2	4,039.5	1,387.3	3,369.9	52.7	198.5	970.3	228.8	741.5
Jul.	4,699.4	4,006.9	1,374.3	3,325.1	52.3	205.7	956.9	229.3	727.6
Aug.	4,690.3	3,998.2	1,366.4*	3,323.9	52.0	205.5	956.1	229.1	727.0

Year and Month	Transportation	Public Utilities	Finance, Insurance & Real Estate	Services and Miscellaneous			Government		
				Total	Hospitals	Other Services	Total	Federal	State & Local
1968	INA	INA	177.7	651.8	INA	INA	588.1	147.5	440.7
1969	INA	INA	183.1	682.6	INA	INA	609.4	146.5	462.8
1970	INA	INA	189.9	698.8	INA	INA	618.7	145.4	473.3
1971	INA	INA	193.7	709.9	INA	INA	629.2	138.5	490.7
1972	161.3	104.7	200.5	739.0	148.2	590.8	651.4	137.6	513.8
1973	161.6	105.5	206.5	762.1	151.9	610.2	658.2	136.4	521.8
1974	161.1	104.4	207.3	773.6	154.9	618.7	681.5	136.6	544.9
1975	154.0	102.5	207.3	798.5	159.8	638.7	720.9	134.4	586.5
1976	155.4	101.1	211.4	839.7	165.5	674.2	721.6	131.8	589.8
1977	160.7	100.7	217.5	862.4	171.1	691.3	711.2	128.1	583.0
1978	163.5	101.2	226.2	887.5	177.3	710.2	718.0	129.1	588.9
1978 Aug.	160.8	101.9	228.7	886.9	178.9	708.0	714.2	131.2	583.0
Sep.	166.2	101.2	228.0	893.0	178.3	714.7	700.1	128.9	571.2
Oct.	167.9	101.1	228.4	905.9	178.9	727.0	693.9	128.7	565.2
Nov.	167.8	101.4	229.5	902.3	179.6	722.7	700.7	128.7	572.0
Dec.	168.0	101.6	231.1	901.9	180.0	721.9	707.6	128.7	578.9
1979 Jan.	164.4	101.6	230.8	885.4	180.2	705.2	700.8	127.6	573.2
Feb.	164.1	101.8	232.5	895.0	180.9	714.1	711.1	126.8	584.3
Mar.	165.5	101.8	233.2	904.9	181.3	723.6	713.6	126.7	586.9
Apr.	165.0	102.1	234.1	907.0	181.3	725.7	715.2	126.7	588.5
May	168.0	102.5	235.8	917.4	181.5	735.9	720.2	127.5	592.7
Jun.	168.7	103.8	238.6	919.6	184.3	735.3	717.7	129.1	588.6
Jul.	162.0	104.4	239.6	911.7	185.1	726.6	692.5	129.6	562.9
Aug.	162.3	104.6	239.7	911.6	184.7	726.9	692.1	128.8	563.3

TABLE 4. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRY GROUPS

(Per 100 Employees)

JULY 1979

Industry	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Jul. 1979	Jun. 1979	Jul. 1978	Jul. 1979	Jun. 1979	Jul. 1978	Jul. 1979	Jun. 1979	Jul. 1978
All Manufacturing	1,374.3	3.2	3.6	2.8	1.8	2.6	1.8	1.2	0.7	0.9
Durable Goods	849.5	2.8	3.1	2.4	1.6	2.3	1.5	0.9	0.6	0.7
Furniture & Fixtures	19.7	6.6	6.5	4.8	3.5	3.8	3.4	3.0	2.4	1.1
Stone, Clay & Glass Products	64.9	3.2	3.6	2.4	1.8	2.6	1.5	1.3	0.7	0.8
Primary Metal Industries	206.5	2.2	2.6	2.3	1.4	2.0	1.3	0.6	0.3	0.8
Fabricated Metal Products	113.5	3.0	3.7	2.8	1.9	2.5	1.5	0.8	1.0	1.1
Machinery, exc. Electrical	140.2	2.2	2.4	2.0	1.4	2.1	1.4	0.6	0.2	0.3
Electric & Electronic Equip.	129.3	3.2	2.9	2.3	1.8	2.1	1.3	1.0	0.5	0.7
Transportation Equipment	87.2	3.4	2.7	2.9	1.4	1.7	1.4	1.5	0.6	1.1
Instruments & Related Products	40.0	1.5	2.9	1.5	1.2	2.3	1.3	0.1	0.4	0.2
Miscellaneous Manufacturing	26.5	2.5	6.0	2.5	2.0	4.4	1.9	0.5	1.4	0.5
Nondurable Goods	524.8	4.0	4.3	3.5	2.2	3.0	2.3	1.6	1.0	1.0
Food & Kindred Products	96.5	5.6	5.1	4.2	2.9	3.6	2.5	2.5	1.2	1.6
Textile Mill Products	47.8	5.1	4.3	4.8	2.9	3.6	3.5	2.1	0.5	1.1
Apparel & Related Products	123.6	5.0	4.7	4.0	2.0	2.5	2.4	2.6	1.8	1.3
Paper & Allied Products	45.2	5.0	4.1	2.5	3.0	3.2	1.7	1.9	0.7	0.6
Printing & Publishing	71.0	2.4	3.2	2.0	1.7	2.6	1.5	0.6	0.6	0.4
Chemicals & Allied Products	62.3	1.6	3.0	2.2	1.2	2.4	1.4	0.3	0.4	0.6
Petroleum & Coal Products	17.6	2.8	2.8	1.3	2.4	2.6	1.1	0.3	0.1	N
Rubber & Plastics Products	40.9	3.0	4.5	3.2	2.0	3.4	2.0	0.7	0.7	0.8
Leather & Leather Products	16.1	5.7	7.8	7.3	4.0	5.7	5.0	1.2	1.5	1.9

Industry	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Jul. 1979	Jun. 1979	Jul. 1978	Jul. 1979	Jun. 1979	Jul. 1978	Jul. 1979	Jun. 1979	Jul. 1978
All Manufacturing	1,374.3	3.3	2.8	2.9	1.1	1.2	1.1	1.5	1.0	1.2
Durable Goods	849.5	2.7	2.3	2.4	0.8	0.9	0.7	1.2	0.8	1.0
Furniture & Fixtures	19.7	7.6	4.6	5.5	2.0	2.4	2.2	4.5	0.8	2.3
Stone, Clay & Glass Products	64.9	2.4	2.3	2.7	0.7	0.8	0.9	1.2	1.0	1.3
Primary Metal Industries	206.5	2.3	1.4	1.8	0.5	0.5	0.4	0.8	0.2	0.6
Fabricated Metal Products	113.5	3.2	3.5	2.5	0.9	1.0	0.9	1.5	1.7	0.8
Machinery, exc. Electrical	140.2	2.0	1.9	1.6	0.8	0.9	0.7	0.8	0.5	0.5
Electric & Electronic Equip.	129.3	2.6	1.7	2.7	0.8	0.8	0.8	1.1	0.3	1.2
Transportation Equipment	87.2	3.4	3.8	3.3	0.6	0.6	0.6	1.7	1.9	1.8
Instruments & Related Products	40.0	1.7	2.0	1.6	0.8	1.0	0.9	0.4	0.4	0.3
Miscellaneous Manufacturing	26.5	4.3	2.4	2.8	1.7	1.4	1.0	2.0	0.5	1.2
Nondurable Goods	524.8	4.4	3.6	3.8	1.6	1.7	1.6	2.1	1.3	1.5
Food & Kindred Products	96.5	4.2	4.4	3.7	1.8	2.0	1.4	1.7	1.7	1.7
Textile Mill Products	47.8	6.3	4.0	5.0	2.6	2.5	2.6	3.0	0.7	1.4
Apparel & Related Products	123.6	6.5	5.1	5.8	1.9	2.0	2.0	3.9	2.2	2.9
Paper & Allied Products	45.2	4.0	2.0	2.7	1.3	1.1	1.2	2.0	0.5	1.0
Printing & Publishing	71.0	2.1	2.4	1.9	1.2	1.3	1.0	0.6	0.8	0.5
Chemicals & Allied Products	62.3	1.3	1.5	1.6	0.7	0.7	0.7	0.3	0.4	0.5
Petroleum & Coal Products	17.6	1.1	1.2	1.0	0.5	0.5	0.4	0.2	0.3	0.2
Rubber & Plastics Products	40.9	3.3	2.9	2.8	1.5	1.2	1.4	0.9	1.0	0.7
Leather & Leather Products	16.1	12.0	7.3	8.4	4.6	4.5	4.3	5.3	2.1	3.5

N = Negligible

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

Industry Detail
(Thousands)

SIC	Industry	Total - All Employees			Net Change From -	
		Aug. 1979	Jul. 1979	Aug. 1978	Jul. 1979	Aug. 1978
	TOTAL MANUFACTURING INDUSTRIES	1,366.4*	1,374.3	1,375.1	-7.9	-8.7
	TOTAL DURABLE GOODS	837.8	849.5	833.2	-11.7	4.6
24	Lumber & wood products	21.9	21.7	22.6	0.2	-0.7
243	Millwork, plywood & structural	7.1	7.0	7.2	0.1	-0.1
	Other lumber & wood products	14.8	14.7	15.4	0.1	-0.6
25	Furniture & fixtures	20.5	19.7	20.4	0.8	0.1
251	Household furniture	9.7	9.1	9.7	0.6	0.0
252	Office furniture	4.8	4.7	5.0	0.1	-0.2
	Other furniture & fixtures	6.0	5.9	5.7	0.1	0.3
32	Stone, clay & glass products	64.5	64.9	65.5	-0.4	-1.0
322	Glass & glassware, pressed or blown	17.3	17.5	17.4	-0.2	-0.1
3221	Glass containers	9.5	9.8	9.9	-0.3	-0.4
3229	Other pressed or blown glass	7.8	7.7	7.5	0.1	0.3
324	Hydraulic cement	3.3	3.3	3.5	0.0	-0.2
325	Structural clay products	6.6	6.7	6.5	-0.1	0.1
326	Pottery & related products	4.1	4.4	4.6	-0.3	-0.5
327	Concrete, gypsum & plaster products	9.4	9.3	9.2	0.1	0.2
	Other stone, clay & glass products	23.8	23.7	24.3	0.1	-0.5
33	Primary metal industries	206.6	206.5	202.3	0.1	4.3
331	Blast furnace & basic steel products	154.7	155.1	152.5	-0.4	2.2
3312	Blast furnaces & steel mills	141.9	141.9	139.6	0.0	2.3
	Other basic steel products	12.8	13.2	12.9	-0.4	-0.1
332	Iron & steel foundries	20.7	20.5	19.4	0.2	1.3
3321	Gray iron foundries	8.3	8.1	8.0	0.2	0.3
3325	Steel foundries, n.e.c.	7.4	7.3	6.5	0.1	0.9
3322,4	Malleable iron & steel invest.	5.0	5.1	4.9	-0.1	0.1
335	Nonferrous rolling & drawing	13.3	13.3	13.4	0.0	-0.1
336	Nonferrous foundries	7.9	7.6	7.4	0.3	0.5
	Other primary metal products	10.0	10.0	9.6	0.0	0.4
34	Fabricated metal products,(incl. ordnance)	115.1	113.5	112.5	1.6	2.6
341	Metal cans & shipping containers	5.0	5.0	5.0	0.0	0.0
342	Cutlery, hand tools & hardware	7.5	7.3	8.0	0.2	-0.5
343	Plumbing & heating exc. electrical	2.9	2.5	2.9	0.4	0.0
344	Fabricated structural metal products	37.6	36.7	36.6	0.9	1.0
3441	Fabricated structural metal	9.8	9.7	9.2	0.1	0.6
3443	Fabricated plate work (boiler shops)	11.1	10.8	10.5	0.3	0.6
	Other fabricated struct. metal products	16.7	16.2	16.9	0.5	-0.2
345	Screw machine products, bolts, etc.	9.0	9.0	8.0	0.0	1.0
346	Metal forgings & stampings	20.3	20.3	20.5	0.0	-0.2
3462	Iron & steel forgings	6.3	6.1	6.2	0.2	0.1
	Other metal forgings & stampings	14.0	14.2	14.3	-0.2	-0.3
347,8	Metal services & ordnance, n.e.c.	8.5	8.4	8.3	0.1	0.2
349	Misc. fabricated metal products	24.3	24.3	23.2	0.0	1.1
3494	Valves & pipe fittings	10.8	10.9	10.3	-0.1	0.5
	Other misc. fabricated metal products	13.5	13.4	12.9	0.1	0.6
35	Machinery, exc. electrical	137.1*	140.2	138.6	-3.1	-1.5
351	Engines & turbines	5.0	7.8	8.1	-2.8	-3.1
352	Farm & garden machinery	4.4	4.3	4.1	0.1	0.3
353	Construction & related machinery	26.4	26.3	25.8	0.1	0.6
3531	Construction machinery	10.2	10.1	9.8	0.1	0.4
3535	Conveyors & conveying equipment	3.5	3.5	3.7	0.0	-0.2
	Other construction & related machinery	12.7	12.7	12.3	0.0	0.4
354	Metal working machinery	21.3	21.3	21.2	0.0	0.1
355	Special industry machinery	14.9	14.8	14.3	0.1	0.6
356	General industrial machinery	28.7	29.2	28.8	-0.5	-0.1
3561	Pumps & pumping equipment	3.1	3.7	3.7	-0.6	-0.6
3562	Ball & roller bearings	4.4	4.4	4.2	0.0	0.2
3563	Air & gas compressors	5.3	5.2	5.2	0.1	0.1
3567	Industrial furnaces & ovens	4.0	4.0	4.0	0.0	0.0
	Other general industrial machinery	11.9	11.9	11.7	0.0	0.2

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(cont.) Industry Detail
(Thousands)

SIC Code	Industry	Total – All Employees			Net Change –	
		Aug. 1979	Jul. 1979	Aug. 1978	Jul. 1979	Aug. 1978
357	Office and computing machines	11.5	11.5	11.7	0.0	-0.2
358	Refrigeration & service industry machinery	11.1	11.4	11.6	-0.3	-0.5
359	Misc. machinery, exc. electrical	13.8	13.6	13.0	0.2	0.8
36	Electric & electronic equipment	119.5*	129.3	124.8	-9.8	-5.3
361	Electric distributing equipment	15.5*	19.8	20.3	-4.3	-4.8
3612	Transformers	4.8	6.7	6.5	-1.9	-1.7
3613	Switchgear & switchboard apparatus	10.7	13.1	13.8	-2.4	-3.1
362	Electrical industrial apparatus	17.9*	24.0	23.6	-6.1	-5.7
363	Household appliances	4.4	4.5	4.8	-0.1	-0.4
364	Electric lighting & wiring equipment	23.4	22.8	21.8	0.6	1.6
3643	Current-carrying wiring devices	11.5	11.0	10.5	0.5	1.0
	Other electric light & wiring equipment	11.9	11.8	11.3	0.1	0.6
366	Communication equipment	9.6	9.4	8.3	0.2	1.3
367	Electronic components & accessories	35.8	36.0	33.8	-0.2	2.0
3674	Semiconductors & related devices	11.7	11.5	10.4	0.2	1.3
	Other electronic components & accessories	24.1	24.5	23.4	-0.4	0.7
	Other electrical equipment & supplies	12.9	12.8	12.2	0.1	0.7
37	Transportation equipment	86.3	87.2	81.8	0.7	4.7
371	Motor vehicles & equipment	31.0	31.5	29.0	-0.5	2.0
3714	Motor vehicle parts & accessories	11.0	11.7	11.5	-0.7	-0.5
	Other motor vehicles & equipment	20.0	19.8	17.5	0.2	2.5
372	Aircraft & parts	11.7	11.7	10.9	0.0	0.8
373	Ship & boat building & repairing	8.2	8.1	6.8	0.1	1.4
374	Railroad equipment	23.6	23.7	22.4	-0.1	1.2
	Other transportation equipment	12.0	12.2	12.7	-0.2	-0.7
38	Instruments & related products	39.1	40.0	37.9	-0.9	1.2
382	Measuring & controlling devices	20.7	21.6	20.0	-0.9	0.7
384	Medical instruments & supplies	11.3	11.3	10.8	0.0	0.5
	Other instruments & related products	7.1	7.2	7.1	0.1	0.0
39	Miscellaneous manufacturing industries	27.0	26.5	26.8	0.5	0.2
	TOTAL NONDURABLE GOODS	528.6	524.8	541.9	3.8	-13.3
20	Food & kindred products	98.5	96.5	98.6	2.0	-0.1
201	Meat products	15.5	15.4	15.2	0.1	0.3
2011	Meat packing plants	4.9	4.8	4.8	0.1	0.1
2013	Sausages & other prepared meats	5.5	5.5	5.8	0.0	-0.3
2016,7	Poultry dressing & processing	5.1	5.1	4.6	0.0	0.5
202	Dairy products	12.0	11.9	12.3	0.1	-0.3
2026	Fluid milk	6.9	6.9	7.1	0.0	-0.2
	Other dairy products	5.1	5.0	5.2	0.1	-0.1
203	Preserved fruits & vegetables	13.4	12.5	12.5	0.9	0.9
2033	Canned fruits & vegetables	5.3	5.1	4.9	0.2	0.4
	Other preserved fruits & vegetables	8.1	7.4	7.6	0.7	0.5
204	Grain mill products	4.4	4.4	4.5	0.0	-0.1
205	Bakery products	19.6	19.6	20.6	0.0	1.0
2051	Bread, cake & related products	15.0	15.0	15.8	0.0	-0.8
2052	Cookies & crackers	4.6	4.6	4.8	0.0	-0.2
206	Sugar & confectionery products	15.6	14.8	15.0	0.8	0.6
2065	Confectionery products	6.6	5.9	6.1	0.7	0.5
2066	Chocolate & cocoa products	6.4	6.2	5.8	0.2	0.6
	Other sugar products	2.6	2.7	3.1	-0.1	-0.5
208	Beverages	9.6	9.4	10.1	0.2	0.5
	Other food & kindred products	8.4	8.5	8.4	-0.1	0.0
21	Tobacco manufacturers	3.8	3.8	4.2	0.0	0.4
22	Textile mill products	48.7	47.8	51.7	0.9	-3.0
222	Weaving mills, snythetics	4.3	4.2	4.5	0.1	-0.2
225	Knitting mills	25.5	25.4	27.6	0.1	-2.1
2253	Knit outerwear mills	13.9	14.3	15.7	-0.4	-1.8
2254	Knit underwear mills	4.8	4.5	5.0	0.3	-0.2
	Other knitting mills	6.8	6.6	6.9	0.2	-0.1
227	Floor covering mills	4.1	3.9	4.0	0.2	0.1
228	Yarn & thread mills	4.8	4.6	5.3	0.2	-0.5
	Other textile mill products	10.0	9.7	10.3	0.3	-0.3

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

(concl.) Industry Detail

(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Aug. 1979	Jul. 1979	Aug. 1978	Jul. 1979	Aug. 1978
23	Apparel & other textile products	123.0	123.6	133.6	-0.6	-10.6
231	Mens & boys suits & coats	14.9	14.6	17.0	0.3	-2.1
232	Mens & boys furnishings	24.3	24.1	25.7	0.2	-1.4
2321	Mens & boys shirts & nightwear	9.7	9.7	9.8	0.0	-0.1
2327	Mens & boys separate trousers	5.7	5.6	5.9	0.1	-0.2
	Other furnishings and work clothing	8.9	8.8	10.0	0.1	-0.1
233	Womens & misses outerwear	54.5	55.6	59.9	-1.1	-5.4
234	Women & childrens undergarments	10.4	10.1	10.5	0.3	-0.1
236	Childrens outerwear	6.7	7.1	7.6	-0.4	-0.9
	Other apparel & textile products	12.2	12.1	12.9	0.1	-0.7
26	Paper & allied products	46.1	45.2	45.8	0.9	0.3
262	Paper mills exc. building paper	11.9	11.8	11.9	0.1	0.0
265	Paper board containers & boxes	16.7	16.2	16.5	0.5	0.2
2653	Corrugated & solid fiber boxes	8.3	8.2	8.2	0.1	0.1
	Other paperboard containers	8.4	8.0	8.3	0.4	0.1
	Other paper & allied products	17.5	17.2	17.4	0.3	0.1
27	Printing & publishing	71.2	71.0	70.1	0.2	1.1
271	Newspapers	25.5	25.5	25.5	0.0	0.0
273	Books	8.3	8.2	8.5	0.1	-0.2
275	Commercial printing	20.1	20.0	19.6	0.1	0.5
2752	Lithographing	10.1	10.1	9.8	0.0	0.3
	Other commercial printing	10.0	9.9	9.8	0.1	0.2
276	Manifold business forms	3.8	3.8	3.6	0.0	0.2
	Other printing & publishing	13.5	13.5	12.9	0.0	0.6
28	Chemicals & allied products	62.2	62.3	60.8	-0.1	1.4
281	Industrial inorganic chemicals	11.5	11.4	10.7	0.1	0.8
282	Plastic materials & synthetics	8.7	8.8	8.7	-0.1	0.0
283	Drugs	17.5	17.5	17.0	0.0	0.5
284	Soap, cleaners & toliet goods	3.2	3.2	3.3	0.0	-0.1
285	Paints & allied products	4.5	4.5	4.4	0.0	0.1
	Other chemical & allied products	16.8	16.9	16.7	-0.1	0.1
29	Petroleum & coal products	17.7	17.6	17.5	0.1	0.2
291	Petroleum refining	13.7	13.6	13.5	0.1	0.2
	Other petroleum & coal products	4.0	4.0	4.0	0.0	0.0
30	Rubber & misc. plastic products	40.9	40.9	40.7	0.0	0.2
301	Tires & inner tubes	8.0	8.2	7.9	-0.2	0.1
306	Fabricated rubber products	5.7	5.7	5.2	0.0	0.5
	Other rubber & plastic products, n.e.c.	27.2	27.0	27.6	0.2	-0.4
31	Leather & leather products	16.5	16.1	18.9	0.4	-2.4
314	Footwear, exc. rubber	12.6	12.2	14.8	0.4	-2.2
3143	Mens footwear, exc. athletic	4.6	4.2	5.4	0.4	-0.8
3144	Womens footwear, exc. athletic	4.2	4.2	5.5	0.0	-1.3
	Other footwear	3.8	3.8	3.9	0.0	-0.1
	Other leather & leather products	3.9	3.9	4.1	0.0	-0.2

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
TOTAL MANUFACTURING INDUSTRIES	$279.49	$277.31	$257.44	39.7	39.9	40.1	$7.04	$6.95	$6.42
TOTAL DURABLE GOODS	316.61	313.65	291.28	40.8	41.0	41.2	7.76	7.65	7.07
Lumber & wood products	199.41	198.74	195.43	39.1	39.2	40.8	5.10	5.07	4.79
Millwork, plywood & structural	205.27	200.97	212.52	39.4	38.5	42.0	5.21	5.22	5.06
Other lumber & wood products	196.56	198.00	187.73	39.0	39.6	40.2	5.04	5.00	4.67
Furniture & fixtures	230.22	214.06	215.34	39.9	38.5	40.1	5.77	5.56	5.37
Household furniture	204.46	186.47	193.52	39.7	37.9	39.9	5.15	4.92	4.85
Office furniture	243.95	225.82	240.72	38.6	37.7	40.8	6.32	5.99	5.90
Other furniture & fixtures	264.55	251.69	231.24	41.4	40.4	39.8	6.39	6.23	5.81
Stone, clay & glass products	307.44	305.15	272.54	42.7	42.5	41.8	7.20	7.18	6.52
Glass & glassware, pressed or blown	285.11	286.40	262.51	40.1	40.0	40.2	7.11	7.16	6.53
Glass containers	303.78	300.29	281.54	41.5	40.8	41.1	7.32	7.36	6.85
Other pressed or blown glass	264.80	269.49	237.51	38.6	39.0	39.0	6.86	6.91	6.09
Hydraulic cement	390.26	395.04	365.45	40.4	40.6	42.2	9.66	9.73	8.66
Structural clay products	259.43	256.07	235.01	40.6	40.2	39.3	6.39	6.37	5.98
Pottery & related products	262.06	262.70	234.77	41.4	42.1	40.2	6.33	6.24	5.84
Concrete, gypsum & plaster prods.	306.43	298.80	272.09	45.6	45.0	44.9	6.72	6.64	6.06
Other stone, clay & glass prods.	345.65	341.71	288.77	45.6	45.2	43.1	7.58	7.56	6.70
Primary metal industries	397.44	397.00	360.96	41.1	42.1	41.3	9.67	9.43	8.74
Blast furnace & basic steel prods.	427.81	429.77	388.75	40.9	42.3	41.4	10.46	10.16	9.39
Blast furnaces & steel mills	435.99	436.96	392.64	40.9	42.3	41.2	10.66	10.33	9.53
Other basic steel products	345.27	356.97	337.90	41.3	42.7	43.1	8.36	8.36	7.84
Iron & steel foundries	306.00	291.05	272.15	40.8	40.2	40.2	7.50	7.24	6.77
Gray iron foundries	298.[illegible]	284.12	272.14	40.6	40.3	40.8	7.34	7.05	6.67
Steel foundries, n.e.c.	318.94	296.68	270.27	41.1	40.2	38.5	7.76	7.38	7.02
Malleable iron & steel invest.	300.85	292.87	277.62	40.6	39.9	42.0	7.41	7.34	6.61
Nonferrous rolling & drawing	314.29	296.12	292.58	42.3	40.9	42.9	7.43	7.24	6.82
Nonferrous foundries	293.63	282.51	258.07	43.5	43.0	42.1	6.75	6.57	6.13
Other primary metal products	311.41	313.11	280.42	41.8	42.6	40.7	7.45	7.35	6.89
Fabricated metal prods., incl. ordn.	281.69	282.80	263.41	39.9	40.0	40.4	7.06	7.07	6.52
Metal cans & shipping containers	351.92	344.86	348.57	44.1	43.0	46.6	7.98	8.02	7.48
Cutlery, hand tools & hardware	219.78	222.85	201.59	37.0	37.9	37.4	5.94	5.88	5.39
Plumbing & heating exc. electrical	298.58	273.46	249.90	44.3	42.2	42.0	6.74	6.48	5.95
Fabricated structural metal prods.	281.11	273.23	246.93	40.8	40.3	39.7	6.89	6.78	6.22
Fabricated struct. metal	277.20	265.52	295.32	36.0	34.8	40.4	7.70	7.63	7.31
Fab. plate work (boiler shops)	297.08	292.07	256.26	42.5	42.7	41.6	6.99	6.84	6.16
Other fab. struct. metal prods.	273.49	264.81	216.21	42.6	41.9	38.2	6.42	6.32	5.66
Screw machine products, bolts, etc.	261.76	257.02	262.71	39.6	39.3	41.7	6.61	6.54	6.30
Metal forgings & stampings	322.87	348.71	326.88	38.9	40.5	41.8	8.30	8.61	7.82
Iron & steel forgings	280.08	282.63	276.17	38.9	39.2	40.2	7.20	7.21	6.87
Other metal forgings & stampings	338.43	371.37	346.41	38.9	40.9	42.4	8.70	9.08	8.17
Metal services & ordnance, n.e.c.	259.85	250.04	237.23	38.9	37.6	38.7	6.68	6.65	6.13
Misc. fabricated metal products	265.28	268.00	243.32	39.3	40.0	39.5	6.75	6.70	6.16
Valves & pipe fittings	262.47	268.52	247.35	39.0	40.5	39.2	6.73	6.63	6.31
Other misc. fab. metal products	267.42	268.37	240.19	39.5	39.7	39.7	6.77	6.76	6.05
Machinery, exc. electrical	309.64	303.99	290.96	41.9	41.7	42.6	7.39	7.29	6.83
Engines & turbines	222.10	240.80	295.39	33.1	35.0	40.8	6.71	6.88	7.24
Farm & garden machinery	334.52	363.48	322.20	43.5	46.6	43.6	7.69	7.80	7.39
Construction & related machinery	323.83	312.62	311.33	41.2	40.6	43.3	7.86	7.70	7.19
Construction machinery	337.77	317.97	323.88	41.7	40.3	43.3	8.10	7.89	7.48
Conveyors & conveying equipment	248.79	237.27	249.15	38.1	36.9	42.3	6.53	6.43	5.89
Other constr. & related mach.	322.97	318.78	311.03	41.3	41.4	43.5	7.82	7.70	7.15
Metal working machinery	306.32	304.21	296.84	40.2	40.4	41.4	7.62	7.53	7.17
Special industry machinery	286.08	280.53	251.43	39.9	39.4	40.1	7.17	7.12	6.27
General industrial machinery	333.31	326.19	299.49	44.8	44.5	44.5	7.44	7.33	6.73
Pumps & pumping equipment	318.28	304.26	300.14	42.1	42.2	43.0	7.56	7.21	6.98
Ball & roller bearings	328.41	327.96	288.64	44.2	44.2	41.0	7.43	7.42	7.04
Air & gas compressors	346.79	353.02	330.63	46.8	47.9	47.3	7.41	7.37	6.99
Industrial furnaces & ovens	296.27	297.52	286.75	40.2	40.7	41.2	7.37	7.31	6.96
Other general industrial mach.	340.01	327.94	297.43	45.7	44.8	45.9	7.44	7.32	6.48
Office and computing machines	340.12	355.41	322.37	44.0	45.8	43.8	7.73	7.76	7.36
Refrigeration & serv. ind. mach.	264.18	238.16	246.03	42.0	39.3	42.2	6.29	6.06	5.83
Misc. machinery, exc. electrical	298.63	295.58	271.36	42.6	42.9	42.4	7.01	6.89	6.40

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(cont.)
Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
Electric & electronic equipment	$263.48	$260.95	$251.33	39.8	39.9	40.8	$6.62	$6.54	$6.16
Electric distributing equipment	300.62	308.85	294.35	39.4	39.8	40.6	7.63	7.76	7.25
Transformers	240.47	244.95	306.42	34.6	35.5	43.9	6.95	6.90	6.98
Switchgear & switchbrd apparatus	327.02	341.88	288.25	41.5	42.0	38.9	7.88	8.14	7.41
Electrical industrial apparatus	263.93	267.18	272.30	39.1	39.7	41.7	6.75	6.73	6.53
Household appliances	240.39	246.89	215.21	35.3	38.1	36.6	6.81	6.48	5.88
Electric lighting & wiring equip.	248.68	244.42	239.37	40.7	40.2	41.2	6.11	6.08	5.81
Current-carrying wiring devices	258.96	270.86	243.76	41.7	43.2	40.9	6.21	6.27	5.96
Other elect lght & wirng equip.	242.20	228.48	235.98	40.1	38.4	41.4	6.04	5.95	5.70
Communication equipment	313.23	286.41	269.37	39.7	38.6	41.0	7.89	7.42	6.57
Electronic components & access.	262.34	254.41	227.03	40.8	41.3	39.9	6.43	6.16	5.69
Semiconductors & related devices	357.90	315.59	295.71	43.7	41.8	41.3	8.19	7.55	7.16
Other electronic comp.& access.	217.49	226.87	193.65	39.4	41.1	39.2	5.52	5.52	4.94
Other electrical equip. & supplies	231.49	218.45	232.78	38.2	36.9	42.4	6.06	5.92	5.49
Transportation equipment	345.65	334.55	307.34	41.1	40.7	40.6	8.41	8.22	7.57
Motor vehicles & equipment	364.08	346.40	336.10	41.0	40.0	41.7	8.88	8.66	8.06
Motor vehicle parts & access.	350.64	353.94	331.21	41.3	41.3	42.3	8.49	8.57	7.83
Other motor vehicles & equip.	372.19	341.82	339.90	40.9	39.2	41.2	9.10	8.72	8.25
Aircraft & parts	306.89	311.40	285.37	38.7	40.6	39.8	7.93	7.67	7.17
Ship & boat building & repairing	342.34	326.19	295.02	42.9	41.5	39.6	7.98	7.86	7.45
Railroad equipment	350.64	349.16	288.00	39.8	40.6	37.5	8.81	8.60	7.68
Other transportation equipment	309.62	286.38	286.72	45.6	43.0	44.8	6.79	6.66	6.40
Instruments & related products	250.90	258.93	236.59	39.7	41.1	40.1	6.32	6.30	5.90
Measuring & controlling devices	269.12	282.67	253.58	40.9	42.7	41.3	6.58	6.62	6.14
Medical instruments & supplies	219.58	223.05	220.98	37.6	39.2	38.7	5.84	5.69	5.71
Other instruments & related prods.	245.69	241.92	211.69	39.5	39.4	38.7	6.22	6.14	5.47
Misc. manufacturing industries	256.00	251.93	237.15	40.0	39.8	41.9	6.40	6.33	5.66
TOTAL NONDURABLE GOODS	222.30	221.37	206.75	38.0	38.3	38.5	5.85	5.78	5.37
Food & kindred products	256.14	253.43	244.96	40.4	40.3	41.1	6.34	6.29	5.96
Meat products	273.42	278.86	241.84	42.0	43.1	41.2	6.51	6.47	5.87
Meat packing plants	313.44	318.12	281.06	42.3	44.0	41.7	7.41	7.23	6.74
Sausages & other prepared meats	306.00	317.18	264.60	40.0	41.9	39.2	7.65	7.57	6.75
Poultry dressing & processing	207.58	207.41	184.04	43.7	43.3	42.8	4.75	4.79	4.30
Dairy products	271.36	263.97	258.22	42.4	41.9	42.4	6.40	6.30	6.09
Fluid milk	273.48	261.70	244.85	42.4	40.7	41.5	6.45	6.43	5.90
Other dairy products	269.66	265.59	268.51	42.4	42.7	43.1	6.36	6.22	6.23
Preserved fruits & vegetables	217.88	214.88	199.69	38.7	38.1	38.7	5.63	5.64	5.16
Canned fruits & vegetables	194.72	186.35	158.42	39.1	37.8	35.6	4.98	4.93	4.45
Other preserved fruits & vegs.	234.08	234.78	226.29	38.5	38.3	40.7	6.08	6.13	5.56
Grain mill products	278.05	269.37	286.67	41.5	41.0	43.5	6.70	6.57	6.59
Bakery products	245.01	237.79	241.90	40.1	39.5	41.0	6.11	6.02	5.90
Bread, cake & related products	248.00	235.85	236.74	40.0	38.6	40.4	6.20	6.11	5.86
Cookies & crackers	237.58	241.95	254.82	40.2	41.5	42.4	5.91	5.83	6.01
Sugar & confectionery products	249.28	245.15	249.29	38.0	37.6	40.0	6.56	6.52	6.11
Confectionery products	212.18	213.30	209.13	35.6	36.4	38.8	5.96	5.86	5.39
Chocolate & cocoa products	275.67	256.12	261.25	40.6	38.0	41.6	6.79	6.74	6.28
Other sugar products	291.45	295.89	296.60	38.5	39.4	42.8	7.57	7.51	6.93
Beverages	345.77	340.13	307.19	42.9	43.0	41.4	8.06	7.91	7.42
Other food & kindred products	216.71	207.95	218.36	41.2	40.3	42.4	5.26	5.16	5.15
Tobacco manufacturers	152.80	142.85	136.49	38.2	37.2	37.6	4.00	3.84	3.63
Textile mill products	179.07	178.31	166.99	38.1	38.1	38.3	4.70	4.68	4.36
Weaving mills, snythetics	210.24	211.03	174.56	43.8	44.9	40.5	4.80	4.70	4.31
Knitting mills	164.08	163.35	156.46	36.3	35.9	36.9	4.52	4.55	4.24
Knit outerwear mills	162.90	158.55	152.58	36.2	35.0	35.9	4.50	4.53	4.25
Knit underwear mills	143.03	143.24	142.10	34.3	34.6	37.2	4.17	4.14	3.82
Other knitting mills	181.54	189.24	177.58	37.9	39.1	39.2	4.79	4.84	4.53
Floor covering mills	226.94	233.78	244.76	39.4	40.1	44.1	5.76	5.83	5.55
Yarn & thread mills	164.54	166.63	150.80	38.0	39.3	37.7	4.33	4.24	4.00
Other textile mill products	195.91	190.30	178.99	39.9	39.4	39.6	4.91	4.83	4.52

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(concl.) Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
Apparel & other textile products	$143.23	$145.25	$140.42	32.7	33.7	34.0	$4.38	$4.31	$4.13
Mens & boys suits & coats	182.51	186.02	180.00	34.5	35.5	36.0	5.29	5.24	5.00
Mens & boys furnishings	145.44	149.74	141.81	35.3	36.7	35.9	4.12	4.08	3.95
Mens & boys shirts & nightwear	144.63	149.95	142.32	35.8	37.3	36.4	4.04	4.02	3.91
Mens & boys separate trousers	144.90	152.99	150.07	30.7	32.9	34.9	4.72	4.65	4.30
Other furnishings & wrk. clothng	146.64	147.07	136.84	37.6	38.4	36.2	3.90	3.83	3.78
Womens & misses outerwear	135.00	137.97	134.94	30.0	31.5	31.9	4.50	4.38	4.23
Women & childrens undergarments	134.95	130.90	127.05	35.7	35.0	36.3	3.78	3.74	3.50
Childrens outerwear	125.85	132.14	121.99	31.7	33.2	33.7	3.97	3.98	3.62
Other apparel & textile products	140.24	140.65	130.47	34.8	34.9	34.7	4.03	4.03	3.76
Paper & allied products	298.82	295.68	274.36	44.8	44.8	45.2	6.67	6.60	6.07
Paper mills exc. building paper	379.29	372.46	345.03	47.0	45.7	47.2	8.07	8.15	7.31
Paper board containers & boxes	277.62	274.21	253.58	42.0	41.8	43.2	6.61	6.56	5.87
Corrugated & solid fiber boxes	286.31	275.49	270.90	40.1	39.3	43.0	7.14	7.01	6.30
Other paperboard containers	269.55	272.27	236.96	43.9	44.2	43.4	6.14	6.16	5.46
Other paper & allied products	275.02	275.29	253.46	46.3	47.3	46.0	5.94	5.82	5.51
Printing & publishing	265.66	265.27	249.81	37.0	37.1	36.9	7.18	7.15	6.77
Newspapers	282.34	279.07	253.09	34.6	34.2	33.7	8.16	8.16	7.51
Books	213.11	210.73	198.17	35.4	35.9	35.9	6.02	5.87	5.52
Commercial printing	282.17	284.36	263.34	38.6	38.9	38.0	7.31	7.31	6.93
Lithographing	271.94	263.15	252.31	37.1	36.6	36.2	7.33	7.19	6.97
Other commercial printing	292.00	304.96	274.22	40.0	41.1	39.8	7.30	7.42	6.89
Manifold business forms	279.17	270.13	267.86	39.1	38.1	41.4	7.14	7.09	6.47
Other printing & publishing	255.30	258.78	253.46	37.6	38.0	38.0	6.79	6.81	6.67
Chemicals & allied products	297.20	293.57	270.26	41.8	41.7	41.9	7.11	7.04	6.45
Industrial inorganic chemicals	311.69	298.74	281.88	43.9	42.8	43.5	7.10	6.98	6.48
Plastic materials & synthetics	310.91	300.35	260.99	41.4	41.2	41.1	7.51	7.29	6.35
Drugs	286.38	281.00	257.02	39.5	39.3	39.3	7.25	7.15	6.54
Soap, cleaners & toilet goods	268.98	258.74	264.23	42.9	41.8	45.4	6.27	6.19	5.82
Paints & allied products	263.07	271.48	261.70	39.5	40.1	40.7	6.66	6.77	6.43
Other chemical & allied products	305.30	311.25	285.14	43.0	43.9	43.6	7.10	7.09	6.54
Petroleum & coal products	394.11	379.74	363.72	43.5	42.1	43.3	9.06	9.02	8.40
Petroleum refining	408.84	388.68	373.51	42.9	41.0	42.3	9.53	9.48	8.83
Other petroleum & coal products	340.34	346.84	332.69	45.5	46.0	46.4	7.48	7.54	7.17
Rubber & misc. plastic products	229.90	234.82	222.49	38.9	39.8	40.6	5.91	5.90	5.48
Tires & inner tubes	352.44	346.02	335.07	44.0	43.8	45.9	8.01	7.90	7.30
Fabricated rubber products	270.50	277.06	236.23	42.8	43.7	40.8	6.32	6.34	5.79
Other rubber & plastic prods.,nec	192.03	197.74	190.03	37.0	38.1	39.1	5.19	5.19	4.86
Leather & leather products	159.80	159.56	147.38	38.6	39.3	39.3	4.14	4.06	3.75
Footwear, exc. rubber	146.52	144.36	132.40	37.0	37.4	37.4	3.96	3.86	3.54
Mens footwear, exc. athletic	160.40	154.05	147.50	40.2	39.5	41.2	3.99	3.90	3.58
Womens footwear, exc. athletic	142.63	142.85	122.50	36.2	37.2	35.2	3.94	3.84	3.48
Other footwear	133.17	134.75	124.61	33.8	35.0	35.1	3.94	3.85	3.55
Other leather & leather products	201.87	188.72	202.79	43.6	42.6	46.3	4.63	4.43	4.38
SELECTED NONMANUFACTURING INDUSTRIES									
Anthracite Mining	359.77	319.09	298.05	47.4	40.7	39.9	7.59	7.84	7.47
Bituminous coal & lignite mining	340.06	311.35	356.27	31.4	29.4	35.1	10.83	10.59	10.15
Nonmetallic minerals, exc. fuels	335.21	342.49	322.34	46.3	47.7	48.4	7.24	7.18	6.66
Communication	365.71	326.75	328.41	41.7	41.1	41.0	8.77	7.95	8.01
Electric, gas, & sanitary services	388.44	379.68	358.56	44.7	44.2	43.2	8.69	8.59	8.30
Electric services	410.71	391.46	365.12	47.1	46.0	44.8	8.72	8.51	8.15
Gas production & distribution	331.14	328.80	311.67	42.4	42.1	41.5	7.81	7.81	7.51
General merchandise stores	133.10	130.38	123.27	28.5	28.1	28.6	4.67	4.64	4.31
Banking	169.72	169.61	153.88	INA	INA	INA	INA	INA	INA
Insurance carriers	206.87	204.33	194.92	INA	INA	INA	INA	INA	INA
Life insurance	196.00	189.32	187.70	INA	INA	INA	INA	INA	INA
Fire, marine & casualty ins.	209.46	208.39	193.89	INA	INA	INA	INA	INA	INA

TABLE 7. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS IN SELECTED MANUFACTURING GROUPS

Industry Detail

Year and Month	All Manufacturing			All Durable Goods			All Nondurable Goods			Primary Metals		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$154.42	39.8	$3.88	$172.61	41.0	$4.21	$130.60	38.3	$3.41	$191.83	40.3	$4.76
1973	167.23	40.2	4.16	187.17	41.5	4.51	139.03	38.3	3.63	212.38	41.4	5.13
1974	180.97	39.6	4.57	203.45	41.1	4.95	146.59	37.3	3.93	239.61	41.1	5.83
1975	193.22	38.8	4.98	217.60	40.0	5.44	159.22	37.2	4.28	253.37	39.1	6.48
1976	210.11	39.2	5.36	236.16	40.3	5.86	172.58	37.6	4.59	279.89	39.7	7.05
1977	231.08	39.5	5.85	260.48	40.7	6.40	188.62	37.8	4.99	308.07	39.7	7.76
1978	254.80	40.0	6.37	289.10	41.3	7.00	204.60	38.1	5.37	356.10	41.6	8.56
1978 Aug	257.44	40.1	6.42	291.28	41.2	7.07	206.75	38.5	5.37	360.96	41.3	8.74
Sep	263.66	40.5	6.51	300.00	41.9	7.16	209.83	38.5	5.45	371.78	42.2	8.81
Oct	262.10	40.2	6.52	297.86	41.6	7.16	209.34	38.2	5.48	365.20	41.5	8.80
Nov	270.50	40.8	6.63	307.22	42.2	7.28	213.84	38.6	5.54	381.38	42.9	8.89
Dec	270.95	40.5	6.69	306.08	41.7	7.34	216.55	38.6	5.61	368.87	41.4	8.91
1979 Jan	269.20	40.0	6.73	305.95	41.4	7.39	212.81	37.8	5.63	373.92	41.5	9.01
Feb	271.32	39.9	6.80	308.92	41.3	7.48	212.06	37.6	5.64	384.14	41.8	9.19
Mar	274.44	40.3	6.81	313.50	41.8	7.50	215.65	38.1	5.66	387.74	42.1	9.21
Apr	265.30	38.9	6.82	301.50	40.2	7.50	209.59	36.9	5.68	396.68	42.2	9.40
May	273.14	39.7	6.88	311.54	41.1	7.58	215.27	37.7	5.71	387.39	41.3	9.38
Jun	278.29	40.1	6.94	316.30	41.4	7.64	218.12	38.0	5.74	397.00	42.1	9.43
Jul	277.31	39.9	6.95	313.65	41.0	7.65	221.37	38.3	5.78	397.00	42.1	9.43
Aug	279.49	39.7	7.04	316.61	40.8	7.76	222.30	38.0	5.85	397.44	41.1	9.67

Year and Month	Fabricated Metal Products			Machinery Except Electrical			Electric & Electronic Equip.			Transportation Equipment		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$168.47	41.7	$4.04	$183.17	42.4	$4.32	$161.57	40.8	$3.96	$180.59	40.4	$4.47
1973	182.68	41.9	4.36	198.77	43.4	4.58	167.69	40.8	4.11	197.69	41.1	4.81
1974	196.24	41.4	4.74	209.78	42.9	4.89	175.96	39.9	4.41	215.54	40.9	5.27
1975	208.17	40.5	5.14	222.14	41.6	5.34	191.84	39.8	4.82	234.61	39.9	5.88
1976	223.01	40.4	5.52	241.60	41.8	5.78	206.96	40.5	5.11	254.23	40.1	6.34
1977	246.64	40.7	6.06	262.92	42.0	6.26	225.74	40.6	5.56	289.26	41.8	6.92
1978	264.71	40.6	6.52	291.13	42.5	6.85	247.25	40.6	6.09	315.59	41.8	7.55
1978 Aug	263.41	40.4	6.52	290.96	42.6	6.83	251.33	40.8	6.16	307.34	40.6	7.57
Sep	274.39	41.2	6.66	295.48	42.7	6.92	260.62	41.5	6.28	326.90	42.4	7.71
Oct	273.36	40.8	6.70	297.08	42.5	6.99	259.78	41.3	6.29	326.98	42.3	7.73
Nov	280.57	41.2	6.81	304.72	43.1	7.07	263.54	41.7	6.32	338.55	42.8	7.91
Dec	285.49	41.8	6.83	309.31	42.9	7.21	264.92	41.2	6.43	348.29	43.7	7.97
1979 Jan	278.94	40.9	6.82	302.74	42.4	7.14	259.84	40.6	6.40	345.06	42.6	8.10
Feb	281.11	40.8	6.89	306.00	42.5	7.20	260.58	40.4	6.45	339.81	41.9	8.11
Mar	287.04	41.3	6.95	310.17	42.9	7.23	264.68	41.1	6.44	341.88	42.0	8.14
Apr	261.23	38.7	6.75	286.63	40.2	7.13	250.63	39.1	6.41	311.65	39.4	7.91
May	288.23	41.0	7.03	303.47	41.8	7.26	261.55	40.3	6.49	333.33	41.0	8.13
Jun	288.36	40.5	7.12	309.33	42.2	7.33	264.31	40.6	6.51	334.15	41.0	8.15
Jul	282.80	40.0	7.07	303.99	41.7	7.29	260.95	39.9	6.54	334.55	40.7	8.22
Aug	281.69	39.9	7.06	309.64	41.9	7.39	263.48	39.8	6.62	345.65	41.1	8.41

Year and Month	Food Products			Textile Products			Apparel and Related Products			Printing and Publishing		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1972	$149.48	40.4	$3.70	$113.08	39.4	$2.87	$ 94.24	33.9	$2.78	$170.33	38.8	$4.39
1973	158.36	40.5	3.91	120.43	39.1	3.08	99.71	33.8	2.95	180.81	38.8	4.66
1974	171.68	40.3	4.26	124.74	37.8	3.30	103.02	32.6	3.16	189.52	38.0	4.99
1975	187.80	40.3	4.66	132.42	37.3	3.55	109.20	32.5	3.36	204.58	37.4	5.47
1976	204.22	40.2	5.08	142.12	38.0	3.74	119.55	33.3	3.59	218.82	36.9	5.93
1977	219.89	40.2	5.47	154.37	38.4	4.02	125.95	32.8	3.84	238.52	37.8	6.31
1978	239.95	40.6	5.91	166.12	38.1	4.36	138.28	33.4	4.14	245.95	36.6	6.72
1978 Aug	244.96	41.1	5.96	166.99	38.3	4.36	140.42	34.0	4.13	249.81	36.9	6.77
Sep	249.00	41.5	6.00	171.83	38.7	4.44	141.96	33.8	4.20	251.40	36.7	6.85
Oct	246.22	40.9	6.02	169.73	38.4	4.42	140.86	33.3	4.23	248.66	36.3	6.85
Nov	250.69	41.3	6.07	170.37	38.2	4.46	144.33	33.8	4.27	253.31	36.5	6.94
Dec	250.69	41.3	6.07	175.11	39.0	4.49	143.05	33.5	4.27	268.88	37.5	7.17
1979 Jan	243.01	40.1	6.06	174.72	38.4	4.55	140.28	32.7	4.29	254.51	36.1	7.05
Feb	240.34	39.4	6.10	171.00	37.5	4.56	141.57	33.0	4.29	252.74	35.9	7.04
Mar	247.02	40.1	6.16	178.87	38.8	4.61	140.91	33.0	4.27	258.09	36.3	7.11
Apr	242.09	39.3	6.16	173.58	37.9	4.58	137.03	31.5	4.35	245.70	35.1	7.00
May	248.00	40.0	6.20	180.11	38.9	4.63	139.54	32.3	4.32	254.54	35.8	7.11
Jun	248.58	39.9	6.23	182.82	39.4	4.64	143.77	32.9	4.37	256.68	36.0	7.13
Jul	253.49	40.3	6.29	178.31	38.1	4.68	145.25	33.7	4.31	265.27	37.1	7.15
Aug	256.14	40.4	6.34	179.07	38.1	4.70	143.23	32.7	4.38	265.66	37.0	7.18

TABLES 8 & 9. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA
(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1968	$119.20	40.0	$2.98	105.6	104.2	$114.40	$ 4.80
1969	127.52	40.1	3.18	112.7	109.8	116.14	11.38
1970	131.71	39.2	3.36	119.1	116.3	113.25	18.46
1971	140.73	39.2	3.59	127.3	121.3	116.02	24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 ÷ Col. 5)

TABLE 10 EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS
(Thousands)

Industry	Employment			Weekly Manhours Worked			Weekly Payrolls		
	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
MANUFACTURING	993.1	997.1	1,000.3	39,429.7	39,832.7	40,123.2	277,736.3	276,988.9	257,423.5
DURABLE GOODS	602.4	610.0	598.0	24,592.7	25,026.8	24,629.2	190,917.7	191,359.7	174,102.5
NONDUR. GOODS	390.7	387.1	402.3	14,837.0	14,805.9	15,494.0	86,818.6	85,629.2	83,321.0

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding. Consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes

Persons involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (#), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
Industry Group
(Thousands)

Year and Month	Total Manufacturing	Total Durable Goods	Lumber and Wood Products	Furniture and Fixtures	Stone Clay and Glass	Primary Metals	Fabricated Metals	Machinery Except Electrical
1972	1,444.0	841.7	24.7	22.5	65.3	210.7	120.5	131.0
1973	1,480.1	884.7	24.6	23.8	68.3	220.8	126.1	137.2
1974	1,464.5	894.1	22.5	22.6	68.1	226.5	126.6	144.5
1975	1,334.8	813.0	18.7	18.0	60.5	205.5	114.1	141.3
1976	1,335.2	804.5	20.4	18.2	61.4	201.9	111.4	136.4
1977	1,341.5	809.3	21.2	18.9	62.3	199.6	111.3	134.6
1978	1,362.1	825.4	21.7	20.3	64.3	199.5	112.3	137.3
1978 Aug.	1,375.1	833.2	22.6	20.4	65.5	202.3	112.5	138.6
Sep.	1,375.7	835.2	22.5	20.0	65.2	201.0	113.4	139.6
Oct.	1,372.1	832.3	22.5	20.8	64.9	199.6	113.2	139.2
Nov.	1,375.3	836.8	22.0	20.7	64.6	200.3	114.0	138.4
Dec.	1,371.2	837.0	21.4	20.9	63.8	201.4	114.5	138.7
1979 Jan.	1,364.3	835.0	20.8	20.7	62.2	201.7	114.5	140.6
Feb.	1,363.4	837.0	20.8	20.8	61.3	202.1	114.8	140.9
Mar.	1,365.4	837.3	21.1	20.3	62.0	201.7	114.6	140.8
Apr.	1,365.5	836.8	21.7	20.2	62.5	201.6	114.9	141.2
May	1,368.4	841.8	21.8	20.0	63.4	202.2	114.6	140.8
Jun.	1,387.3	854.2	22.1	20.4	65.1	206.8	115.4	141.8
Jul.	1,374.3	849.5	21.7	19.7	64.9	206.5	113.5	140.2
Aug.	1,366.4 *	837.8	21.9	20.5	64.5	206.6	115.1	137.1 *

Year and Month	Electrical Equipment and Supplies	Transportation Equipment	Instruments and Related Products	Misc. Manufacturing	Total Nondurable Goods	Food Products	Tobacco Products	Textile Products
1972	133.7	69.0	34.0	30.4	602.3	109.6	7.5	62.9
1973	144.0	73.3	34.8	31.9	595.4	107.3	7.1	62.8
1974	144.7	72.6	36.1	30.0	570.4	104.0	6.6	58.5
1975	126.0	67.6	34.4	27.0	521.8	99.4	5.0	49.9
1976	124.2	67.1	35.5	28.1	530.7	100.2	4.0	50.4
1977	123.0	73.3	37.3	27.8	532.2	98.8	3.6	49.4
1978	124.6	80.6	38.3	26.6	536.7	98.1	4.1	50.6
1978 Aug.	124.8	81.8	37.9	26.8	541.9	98.6	4.2	51.7
Sep.	125.7	82.7	37.9	27.2	540.5	99.8	4.2	51.0
Oct.	126.1	81.1	37.3	27.6	539.8	99.3	4.2	51.2
Nov.	125.9	84.4	38.8	27.7	538.5	99.9	4.2	51.2
Dec.	126.1	85.1	38.9	26.2	534.2	99.2	4.1	50.5
1979 Jan.	126.6	83.5	39.2	25.2	529.3	96.8	4.1	49.6
Feb.	126.6	84.6	39.5	25.6	526.4	94.1	4.0	49.1
Mar.	126.5	84.6	39.8	25.9	528.1	95.2	4.0	49.3
Apr.	127.4	81.3	39.9	26.1	528.7	95.6	3.9	49.1
May	127.6	85.5	39.9	26.0	526.6	94.6	3.9	49.2
Jun.	128.3	87.2	40.4	26.7	533.1	96.4	3.9	49.2
Jul.	129.3	87.2	40.0	26.5	524.8	96.5	3.8	47.8
Aug.	119.5 *	86.5	39.1	27.0	528.6	98.5	3.8	48.7

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA (concl.)

Industry Group
(Thousands)

Year and Month	Apparel and Related		Paper Products	Printing and Publishing	Chemical Products	Petroleum Refining & Related	Rubber and Plastic	Leather Products
	Total	Women's & Children's Outerwear						
1972	162.6	66.0	44.9	71.8	59.4	19.8	38.7	25.1
1973	158.0	65.5	45.4	72.2	58.8	19.1	41.0	23.7
1974	148.2	63.0	44.4	69.8	58.6	18.2	40.9	21.3
1975	132.7	58.1	39.9	68.4	55.5	16.4	34.8	19.8
1976	137.2	60.2	42.4	67.6	56.7	16.4	34.9	21.0
1977	134.0	60.0	43.0	69.8	59.0	16.8	38.0	19.9
1978	133.0	59.8	44.5	70.6	60.0	17.0	39.8	19.0
1978 Aug.	133.6	59.9	45.8	70.1	60.8	17.5	40.7	18.9
Sep.	134.0	60.4	45.8	69.6	60.1	17.0	40.4	18.6
Oct.	133.3	60.5	45.7	69.6	60.3	17.1	40.8	18.3
Nov.	132.5	60.0	44.7	69.8	60.0	16.9	40.9	18.4
Dec.	128.4	58.4	45.0	71.1	60.5	16.6	50.7	18.1
1979 Jan.	127.6	58.9	44.6	70.8	60.6	16.6	40.5	18.1
Feb.	129.6	59.2	44.1	70.4	60.1	16.5	40.6	17.9
Mar.	128.9	59.4	44.3	70.8	60.8	16.6	40.7	17.5
Apr.	129.3	58.8	44.8	70.8	60.9	16.9	40.4	17.0
May	127.8	57.4	44.3	70.9	61.1	17.1	40.5	17.2
Jun.	128.8	58.5	45.2	71.3	62.1	17.6	41.2	17.4
Jul.	123.6	55.6	45.2	71.0	62.3	17.6	40.9	16.1
Aug.	123.0	54.5	46.1	71.2	62.2	17.7	40.9	16.5

TABLE 12. SELECTED PENNSYLVANIA INDICES

(Not Adjusted)
1967 = 100

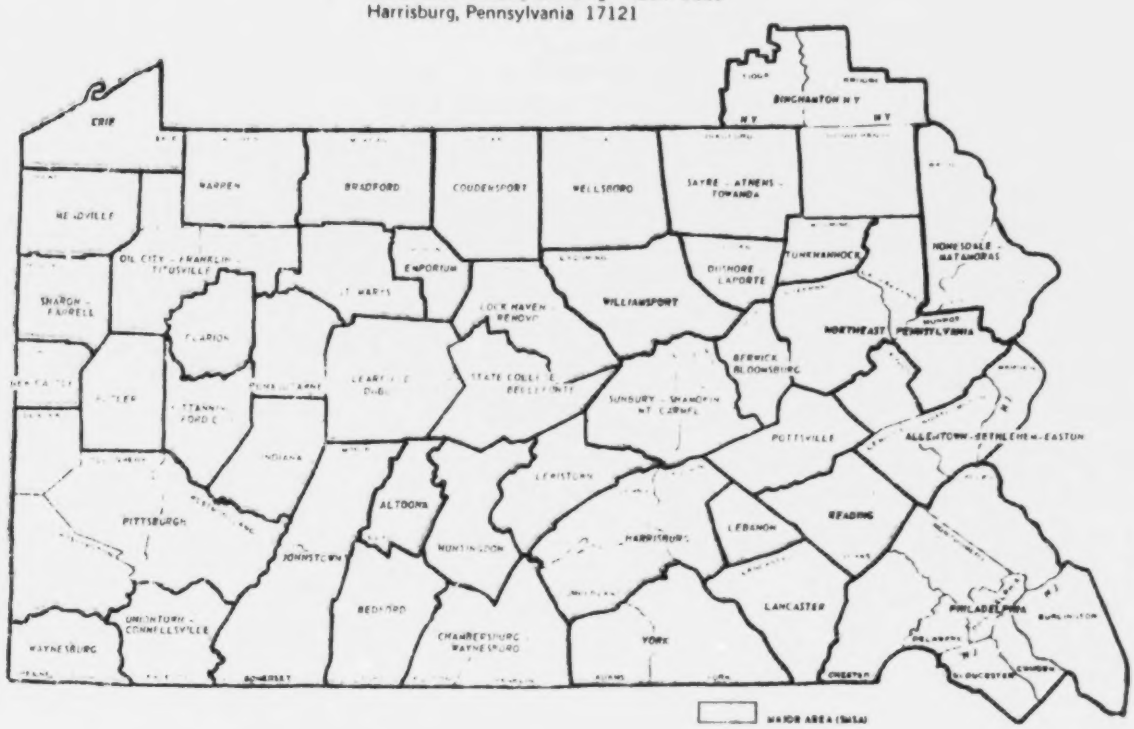
Industry Group	1979		1978	1977	ANNUAL AVERAGE	
	Aug.	Jul.	Aug.	Aug.	1978	1977
EMPLOYMENT						
All Manufacturing	87.8	88.3	88.3	87.0	87.5	86.2
Primary Metals	80.6	80.6	78.9	78.1	77.8	77.9
Apparel	68.5	68.8	74.4	75.0	74.1	74.6
All Nonmanufacturing	127.3	127.4	127.7	123.3	126.7	123.5
Construction	113.2	113.3	121.6	113.4	107.6	101.3
Retail Trade	126.5	126.6	128.7	124.0	129.3	124.8
Services	148.9	148.9	144.8	140.7	144.9	140.8
Government	122.0	122.1	125.9	120.0	126.6	125.4

Labor Market Areas of Pennsylvania

Pennsylvania consists of forty-five labor market areas, twelve of which are major or Standard Metropolitan Statistical Areas. Area names are based on major towns or cities in the areas.

This section provides a very limited presentation of data for selected labor market areas in Pennsylvania. More detailed information is available in Labor Market Letters published monthly in major labor market areas and for selected months in smaller labor market areas. These publications can be obtained from local employment security offices or by addressing requests to:

Office of Employment Security
Research and Statistics Division
Labor Market Information Section
Labor and Industry Building - Room 1225
Harrisburg, Pennsylvania 17121



GEOGRAPHIC DESCRIPTION OF MAJOR LABOR MARKET AREAS

ALLENTOWN - BETHLEHEM - EASTON	Carbon, Lehigh, and Northampton Counties in Pennsylvania. Warren County in New Jersey
ALTOONA	Blair County
ERIE	Erie County
HARRISBURG	Cumberland, Dauphin, and Perry Counties
JOHNSTOWN	Cambria and Somerset Counties
LANCASTER	Lancaster County
NORTHEAST	Lackawanna (Scranton Area), Luzerne (Wilkes-Barre Area), and Monroe Counties
PHILADELPHIA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties in Pennsylvania. Burlington, Camden, and Gloucester Counties in New Jersey
PITTSBURGH	Allegheny, Beaver, Washington, and Westmoreland Counties
READING	Berks County
WILLIAMSPORT	Lycoming County
YORK	Adams and York Counties

TABLE 13. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES
MAJOR LABOR MARKET AREAS
(Per 100 Employees)
JULY 1979

Major Labor Market Area	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Jul. 1979	Jun. 1979	Jul. 1978	Jul. 1979	Jun. 1979	Jul. 1978	Jul. 1979	Jun. 1979	Jul. 1978
PENNSYLVANIA	1,374.3	3.2	3.6	2.8	1.8	2.6	1.8	1.2	0.7	0.9
ALLENTOWN-BETHLEHEM-EASTON	109.6	3.4	3.1	2.6	1.7	2.2	1.5	1.5	0.7	0.9
ALTOONA	12.9	1.5	2.6	4.6	1.0	1.3	1.0	0.4	1.2	3.5
ERIE	45.0	2.5	3.7	2.4	1.5	2.3	1.4	0.7	0.9	0.7
HARRISBURG	43.3	5.3	4.2	4.7	3.3	3.6	3.4	1.7	0.3	1.1
JOHNSTOWN	20.4	2.8	2.4	2.0	1.2	1.0	0.8	1.5	1.3	1.2
LANCASTER	60.1	3.0	4.6	3.5	2.3	4.1	3.0	0.6	0.3	0.4
NORTHEAST	68.4	4.5	3.9	4.4	1.4	2.3	1.6	2.8	1.4	2.6
SCRANTON	26.7	5.0	3.8	3.5	1.2	1.9	1.6	3.6	1.8	1.8
WILKES-BARRE-HAZLETON	37.1	3.9	3.2	4.3	1.3	1.9	1.4	2.0	1.0	2.6
PHILADELPHIA	454.3	3.1	3.7	2.9	2.1	2.7	1.6	0.8	0.7	1.1
PITTSBURGH	258.0	2.6	2.8	2.6	1.6	2.1	1.4	0.7	0.4	1.0
READING	53.4	4.1	3.4	3.4	2.0	2.5	1.8	2.1	0.8	1.5
WILLIAMSPORT	18.0	1.4	2.3	2.3	0.5	1.4	1.6	0.8	0.6	0.7
YORK	64.3	4.1	4.1	4.7	2.4	3.2	3.5	1.6	0.7	1.0

Major Labor Market Area	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Jul. 1979	Jun. 1979	Jul. 1978	Jul. 1979	Jun. 1979	Jul. 1978	Jul. 1979	Jun. 1979	Jul. 1978
PENNSYLVANIA	1,374.3	3.3	2.8	2.9	1.1	1.2	1.1	1.5	1.0	1.2
ALLENTOWN-BETHLEHEM-EASTON	109.6	3.2	2.5	3.3	0.8	1.1	1.0	1.9	0.8	1.9
ALTOONA	12.9	1.4	1.2	5.4	0.7	0.8	0.8	0.2	0.1	4.3
ERIE	45.0	3.0	2.2	3.5	1.2	1.0	1.0	0.9	0.4	1.5
HARRISBURG	43.3	2.5	2.4	2.8	1.4	1.4	1.6	0.6	0.2	0.7
JOHNSTOWN	20.4	2.8	2.5	2.0	0.8	0.7	0.6	0.9	0.7	0.8
LANCASTER	60.1	3.2	3.4	3.1	1.9	2.1	2.1	0.7	0.7	0.4
NORTHEAST	68.4	5.7	3.6	5.9	1.1	1.3	1.1	4.0	1.9	4.3
SCRANTON	26.7	4.4	4.3	4.9	0.7	1.2	0.7	3.3	2.7	3.6
WILKES-BARRE-HAZLETON	37.1	5.8	2.4	5.9	1.1	1.2	1.2	4.0	0.9	4.3
PHILADELPHIA	454.3	3.0	3.1	3.0	1.1	1.2	0.9	1.1	1.0	1.5
PITTSBURGH	258.0	2.6	2.0	2.0	0.6	0.6	0.5	1.1	0.7	0.8
READING	53.4	4.7	3.1	4.0	1.4	1.5	1.4	2.7	1.0	2.1
WILLIAMSPORT	18.0	3.8	1.9	3.1	0.7	0.6	1.1	2.8	0.9	1.5
YORK	64.3	3.7	3.7	3.9	1.6	2.0	2.2	1.4	1.2	1.1

TABLE 14. AVERAGE GROSS EARNINGS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS IN MAJOR LABOR MARKET AREAS

Major Labor Market Area	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
PENNSYLVANIA	$279.49	$277.31	$257.44	39.7	39.9	40.1	$7.04	$6.95	$6.42
ALLENTOWN-BETHLEHEM-EASTON	282.21	277.59	252.29	38.5	38.5	38.4	7.33	7.21	6.57
ALTOONA	235.95	235.38	208.45	39.0	39.1	37.9	6.05	6.02	5.50
ERIE	286.75	282.40	262.06	41.2	40.4	41.4	6.96	6.99	6.33
HARRISBURG	268.79	265.74	228.05	41.1	41.2	39.8	6.54	6.45	5.73
JOHNSTOWN	298.90	302.30	264.03	39.8	40.2	39.0	7.51	7.52	6.77
LANCASTER	244.82	245.01	225.20	40.6	40.7	40.0	6.03	6.02	5.63
NORTHEAST	202.71	198.97	184.76	37.4	37.4	37.1	5.42	5.32	4.98
SCRANTON	207.37	207.50	196.89	39.2	39.6	39.3	5.29	5.24	5.01
WILKES-BARRE-HAZLETON	198.53	192.96	176.22	35.9	35.8	35.6	5.53	5.39	4.95
PHILADELPHIA	281.50	279.60	263.31	40.1	40.0	40.2	7.02	6.99	6.55
PITTSBURGH	345.32	349.00	315.52	40.2	41.4	40.4	8.59	8.43	7.81
READING	250.75	244.22	227.37	38.4	38.1	38.8	6.53	6.41	5.86
WILLIAMSPORT	245.55	236.74	229.77	39.1	38.0	40.1	6.28	6.23	5.73
YORK	258.75	255.23	239.87	41.4	41.3	41.5	6.25	6.18	5.78

TABLE 15. RESIDENT EMPLOYMENT AND UNEMPLOYMENT MAJOR LABOR MARKET AREAS

Area	Rate of Unemployment					
	August 1979		July 1979		August 1978	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
UNITED STATES	5.9	6.0	5.8	5.7	5.8	5.9
PENNSYLVANIA	7.0	7.3	6.3	6.3	6.5	6.8
ALLENTOWN-BETH-EASTON	7.0	7.1	6.7	6.2	6.2	6.3
ALTOONA	8.6	9.6	7.3	7.6	6.8	7.7
ERIE	7.0	7.8	5.9	5.9	6.3	7.0
HARRISBURG	5.1	5.2	4.3	4.3	4.6	4.8
JOHNSTOWN	9.6	8.8	7.8	8.3	8.5	7.8
LANCASTER	4.7	5.1	4.1	4.1	4.1	4.5
NORTHEAST	8.9	9.6	9.6	8.9	7.4	8.1
SCRANTON	8.5	9.2	10.6	9.9	6.9	7.6
W BARRE-HAZLETON	9.3	9.9	9.3	8.5	7.9	8.4
PHILADELPHIA	7.2	7.1	6.5	6.4	7.4	7.4
PITTSBURGH	6.0	6.5	5.1	5.3	5.6	6.1
POTTSVILLE	8.8	-	9.5	-	6.5	-
READING	5.6	5.7	5.6	5.2	5.5	5.7
UNIONTOWN-CONNELLSVLE	8.8	-	7.7	-	7.1	-
WILLIAMSPORT	9.7	11.2	8.0	8.2	6.9	8.1
YORK	5.2	5.3	5.8	5.4	5.5	5.6

(Thousands)

Area	Total Civilian Labor Force			Total Employment			Total Unemployment		
	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
UNITED STATES	104,363.0	104,995.0	102,047.0	98,226.0	98,891.0	96,116.0	6,137.0	6,104.0	5,931.0
PENNSYLVANIA	5,350.0	5,398.0	5,300.0	4,977.0	5,058.0	4,954.0	373.0	340.0	346.0
ALLENTOWN-BETH-EASTON	299.0	305.2	297.0	278.1	284.9	278.8	20.9	20.3	18.3
ALTOONA	58.0	58.9	56.9	53.0	54.6	53.0	5.0	4.3	3.9
ERIE	125.7	128.4	122.8	116.9	120.8	115.0	8.8	7.6	7.8
HARRISBURG	218.6	221.6	217.7	207.6	212.1	207.6	11.1	9.6	10.1
JOHNSTOWN	110.3	110.8	108.1	99.6	102.1	98.9	10.6	8.7	9.2
LANCASTER	175.6	178.2	173.3	167.3	170.9	166.2	8.3	7.2	7.1
NORTHEAST	282.3	290.7	280.8	257.2	262.8	260.0	25.1	28.0	20.9
SCRANTON	103.9	108.7	103.3	95.1	97.1	96.1	8.8	11.6	7.2
W BARRE-HAZLETON	152.8	156.0	152.0	138.5	141.5	140.0	14.3	14.5	12.0
PHILADELPHIA	2,179.1	2,126.3	2,083.6	2,022.9	1,987.7	1,928.7	156.2	138.6	154.8
PITTSBURGH	1,003.2	1,030.2	1,000.0	943.3	977.6	943.9	59.9	52.6	56.1
POTTSVILLE	66.1	68.8	67.7	60.3	62.2	63.3	5.8	6.5	4.4
READING	151.0	154.9	145.9	142.6	146.2	137.9	8.4	8.7	8.0
UNIONTOWN-CONNELLSVLE	58.9	59.5	60.6	53.7	54.9	56.3	5.2	4.6	4.3
WILLIAMSPORT	54.7	55.4	53.6	49.4	50.9	50.0	5.3	4.4	3.7
YORK	167.8	172.9	166.8	159.1	162.8	157.6	8.8	10.1	9.2

TABLE 16. EMPLOYMENT IN MAJOR LABOR MARKET AREAS
ESTABLISHMENT DATA (Number of Jobs)
(Thousands)

STATE and AREA data include persons involved in labor management disputes, not included in U.S. data.

Area	Nonagricultural Wage and Salary			Private Sector *		
	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
UNITED STATES	88,714.0	88,708.0	86,134.0	73,777.0	73,641.0	71,375.0
PENNSYLVANIA	4,711.1	4,711.5	4,714.7	3,998.2	4,006.9	3,395.4
ALLENTOWN-BETHLEHEM-EASTON	261.0	260.3	261.1	231.6	230.5	231.2
ALTOONA	52.4	52.4	52.8	45.3	44.9	45.3
ERIE	117.2	117.5	115.3	102.6	102.7	101.1
HARRISBURG	216.3	216.1	218.1	161.0	160.3	163.0
JOHNSTOWN	90.4	90.0	89.7	74.6	73.7	74.5
LANCASTER	149.9	149.7	148.4	136.3	136.1	134.6
NORTHEAST	242.2	240.0	245.4	201.2	199.4	205.1
SCRANTON	87.5	85.6	88.6	73.9	72.7	75.1
WILKES-BARRE-HAZLETON	124.3	124.5	127.8	104.2	103.8	108.1
PHILADELPHIA	1,887.3	1,890.3	1,877.7	1,581.5	1,589.9	1,571.9
PITTSBURGH	948.9	954.9	952.4	822.5	834.5	827.2
POTTSVILLE	48.3	48.3	51.2	40.0	40.3	42.4
READING	138.5	138.2	134.0	123.0	122.6	118.6
UNIONTOWN-CONNELLSVILLE	36.9	36.6	38.6	29.7	29.4	31.4
WILLIAMSPORT	49.7	49.5	50.3	42.9	42.7	43.1
YORK	152.2	151.5	151.0	134.6	133.6	133.3

Area	Manufacturing			Nonmanufacturing		
	Aug. 1979	Jul. 1979	Aug. 1978	Aug. 1979	Jul. 1979	Aug. 1978
UNITED STATES	20,815.0	20,775.0	20,462.0	67,899.0	67,933.0	65,672.0
PENNSYLVANIA	1,366.4	1,374.3	1,375.1	3,323.9	3,325.1	3,334.5
ALLENTOWN-BETHLEHEM-EASTON	110.6	109.6	110.2	150.0	150.4	150.9
ALTOONA	13.1	12.9	12.9	39.3	39.5	39.9
ERIE	45.3	45.0	44.2	71.9	72.5	71.0
HARRISBURG	43.9	43.3	42.5	172.1	172.5	175.6
JOHNSTOWN	20.9	20.4	20.7	69.5	69.6	68.9
LANCASTER	60.4	60.1	60.5	89.4	89.5	87.9
NORTHEAST	69.7	68.4	73.3	171.5	171.2	171.9
SCRANTON	27.7	26.7	28.7	59.1	58.7	59.7
WILKES-BARRE-HAZLETON	37.3	37.1	40.3	86.8	87.1	87.4
PHILADELPHIA	451.5	454.3	448.5	1,432.4	1,435.6	1,428.8
PITTSBURGH	246.7	258.0	253.1	690.5	691.4	696.9
POTTSVILLE	20.4	20.7	22.1	27.7	27.6	29.1
READING	53.7	53.4	52.5	84.6	84.7	81.4
UNIONTOWN-CONNELLSVILLE	8.4	8.2	8.5	28.5	28.4	30.1
WILLIAMSPORT	17.9	18.0	18.6	31.8	31.5	31.7
YORK	65.4	64.3	64.1	86.6	87.0	86.9

* Excludes Government employment

TABLE 17. LABOR TURNOVER RATES IN PENNSYLVANIA
NONDURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	Nondurable Goods						Food & Kindred						Textiles						Apparel					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.3	3.1		4.4	2.4	1.3	5.1	3.4		5.4	2.8	1.9	5.1	4.3		5.2	3.6	0.7	4.8	3.0		5.1	2.4	1.9
1974	4.2	2.7		4.9	2.1	2.1	5.2	3.3		5.8	2.6	2.5	4.5	3.6		5.5	3.1	1.7	5.2	2.5		6.6	2.1	3.8
1975	4.1	1.8		4.4	1.3	2.5	4.6	2.3		4.9	1.5	2.7	4.5	2.3		5.1	1.6	2.8	5.6	2.3		5.6	1.5	3.5
1976	3.9	2.2	1.4	4.1	1.4	2.0	4.6	2.3	2.0	4.9	1.4	2.8	4.5	3.0	1.2	4.8	2.2	1.9	4.8	2.5	2.0	5.5	1.7	2.9
1977	3.9	2.3	1.4	3.9	1.5	1.8	4.9	2.4	2.2	5.0	1.6	2.8	4.3	3.0	1.1	4.6	2.2	1.8	5.1	2.6	2.2	5.1	1.8	2.6
1978	3.6	2.4	1.0	3.6	1.7	1.3	4.1	2.5	1.4	4.3	1.8	1.9	4.5	3.5	0.8	4.2	2.6	0.9	4.3	2.7	1.3	4.6	2.0	1.8
Jul	3.5	2.3	1.0	3.8	1.6	1.5	4.2	2.5	1.6	3.7	1.4	1.7	4.8	2.5	1.1	5.0	2.6	1.4	4.0	2.4	1.3	5.8	2.0	2.9
Aug	4.4	2.9	1.2	4.8	2.8	1.2	5.2	3.3	1.5	3.9	2.3	1.0	4.8	4.0	0.6	5.1	3.6	0.5	5.2	3.1	1.7	5.5	3.2	1.3
Sep	3.9	3.0	0.7	4.3	2.7	1.0	4.8	3.4	1.2	4.6	2.7	1.2	4.6	4.1	0.3	5.4	3.9	0.8	4.6	3.3	1.0	5.0	3.0	1.1
Oct	3.9	2.9	0.8	3.9	2.0	1.3	5.2	3.4	1.6	5.2	2.4	2.1	5.0	4.4	0.4	4.5	3.1	0.8	4.1	3.0	0.8	4.8	2.3	1.8
Nov	3.0	2.1	0.7	3.6	1.5	1.5	4.0	2.8	0.9	4.2	1.9	1.7	3.4	2.8	0.5	4.0	2.2	1.2	3.4	2.2	0.9	4.7	1.7	2.2
Dec	2.2	1.4	0.7	3.5	1.2	1.6	2.6	1.9	0.6	4.3	1.5	2.5	2.5	1.7	0.7	3.5	1.6	1.3	2.0	1.2	0.7	4.8	1.2	2.8
1979																								
Jan	4.0	2.2	1.6	3.9	1.5	1.7	3.6	2.0	1.4	5.2	1.6	3.0	4.1	3.2	0.7	4.3	2.5	1.2	6.7	2.6	3.8	4.9	1.8	2.3
Feb	3.1	1.9	1.1	2.9	1.3	1.0	3.1	1.5	1.4	3.5	1.5	1.5	3.0	2.1	0.8	3.4	2.2	0.6	4.9	2.7	1.9	3.9	1.6	1.8
Mar	3.8	2.3	1.3	3.7	1.6	1.3	3.5	2.0	1.4	3.5	1.5	1.4	3.6	2.5	0.9	3.9	2.3	0.9	4.8	2.8	1.8	5.4	2.0	2.4
Apr	3.6	2.1	1.1	3.5	1.5	1.2	4.3	2.5	1.6	4.1	1.6	2.0	3.6	2.6	0.8	4.1	2.4	1.1	4.3	2.2	1.7	4.5	1.8	1.8
May	4.1	2.7	1.1	3.7	1.7	1.4	5.0	3.4	1.3	4.7	1.9	2.1	4.1	3.3	0.6	4.0	2.6	0.9	4.9	2.5	2.0	5.2	1.9	2.6
Jun	4.3	3.0	1.0	3.6	1.7	1.3	5.1	3.6	1.2	4.4	2.0	1.7	4.3	3.6	0.5	4.0	2.5	0.8	4.7	2.5	1.8	5.1	2.0	2.2
Jul	4.0	2.2	1.6	4.4	1.6	2.1	5.6	2.9	2.5	4.2	1.8	1.7	5.1	2.9	2.1	6.3	2.6	3.0	5.0	2.0	2.6	6.5	1.9	3.9

Year & Month	Paper & Allied Products						Printing & Publishing						Chemicals						Petroleum & Coal Products					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.1	2.6		3.0	1.7	0.6	2.8	2.2		2.9	1.6	0.8	2.5	1.8		2.4	1.2	0.6	1.6	1.3		2.0	0.7	0.4
1974	2.7	2.0		3.5	1.6	1.3	2.4	1.9		2.6	1.4	0.7	2.2	1.6		2.3	1.0	0.7	1.4	1.1		1.4	0.6	0.3
1975	3.4	1.0		3.7	0.7	2.5	2.0	1.1		2.5	0.8	1.3	2.2	0.9		2.4	0.5	1.4	1.1	0.8		1.1	0.3	0.3
1976	2.5	1.5	0.9	2.4	0.8	1.1	2.3	1.5	0.6	2.3	0.9	0.9	2.1	1.2	0.7	1.9	0.6	0.8	1.5	1.0	0.2	1.6	0.4	0.3
1977	2.6	1.5	0.9	2.7	0.9	1.3	2.1	1.5	0.6	2.1	1.0	0.7	2.0	1.3	0.6	2.0	0.7	0.6	1.4	1.1	0.1	1.5	0.5	0.3
1978	2.7	1.7	0.8	2.6	1.1	0.9	2.5	1.8	0.6	2.4	1.2	0.8	2.0	1.4	0.5	1.8	0.7	0.5	1.4	1.1	0.2	1.5	0.5	0.4
Jul	2.5	1.7	0.6	2.7	1.2	1.0	2.0	1.5	0.4	1.9	1.0	0.5	2.2	1.4	0.6	1.6	0.7	0.5	1.3	1.1	N	1.0	0.4	0.2
Aug	3.0	2.0	0.8	3.9	2.4	0.7	2.3	1.8	0.4	4.8	1.9	2.1	2.0	1.5	0.4	3.2	1.8	0.7	0.9	0.8	0.1	2.9	1.3	0.7
Sep	2.8	2.4	0.2	4.1	2.3	1.2	2.7	2.3	0.3	2.5	1.7	0.3	1.7	1.3	0.3	2.2	1.2	0.5	1.4	1.1	0.1	2.4	1.4	0.5
Oct	2.9	1.9	0.8	2.9	1.2	1.1	2.7	2.2	0.4	2.4	1.4	0.7	2.0	1.6	0.3	1.3	0.7	0.7	1.1	1.0	0.1	1.5	0.5	0.5
Nov	1.9	1.3	0.5	3.3	0.8	2.0	2.5	1.6	0.8	2.3	1.2	0.8	1.4	1.0	0.3	1.4	0.6	0.4	0.7	0.5	N	1.5	0.3	0.7
Dec	2.3	1.0	1.1	2.4	0.7	1.2	2.1	1.3	0.7	1.9	1.1	0.5	1.2	0.9	0.2	1.3	0.5	0.3	0.6	0.4	N	1.8	0.3	0.8
1979																								
Jan	2.5	1.2	1.1	3.4	0.9	1.8	2.8	2.2	0.6	2.9	1.2	1.1	1.6	1.2	0.3	1.7	0.6	0.5	1.0	0.7	0.2	1.1	0.3	0.5
Feb	2.0	1.1	0.8	1.9	0.8	0.6	2.4	1.6	0.7	1.9	1.1	0.5	1.5	1.2	0.3	1.4	0.5	0.3	1.0	0.6	0.3	1.2	0.4	0.2
Mar	2.4	1.4	0.8	1.9	1.0	0.4	2.7	1.7	1.0	2.0	1.1	0.6	2.1	1.6	0.4	1.4	0.7	0.3	1.2	0.9	0.2	0.7	0.3	0.1
Apr	2.6	1.6	0.8	2.5	1.1	0.8	2.4	1.8	0.5	2.3	1.2	0.8	1.6	1.1	0.3	1.2	0.6	0.4	2.0	1.1	0.8	1.2	0.5	0.4
May	3.8	2.6	0.9	2.5	1.2	0.8	2.7	2.2	0.5	2.4	1.3	0.7	2.2	1.7	0.4	1.3	0.6	0.3	2.4	1.6	0.4	1.0	0.4	0.2
Jun	4.1	3.2	0.7	2.0	1.1	0.5	3.3	2.6	0.6	2.4	1.3	0.8	3.0	2.4	0.4	1.5	0.7	0.4	2.8	2.6	0.1	1.2	0.2	0.3
Jul	5.0	3.0	1.9	4.0	1.3	2.0	2.4	1.7	0.6	2.2	1.2	0.6	1.6	1.2	0.3	1.3	0.7	0.3	2.8	2.4	0.3	1.1	0.5	0.2

Year & Month	Rubber & Plastics						Leather Goods					
	Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	5.0	3.9		4.8	2.7	0.9	7.5	6.3		7.9	5.7	1.3
1974	4.4	3.0		5.2	2.3	1.8	7.1	5.6		8.6	5.1	2.6
1975	3.7	1.1		4.9	0.9	3.1	6.8	5.1		7.0	3.5	2.6
1976	4.1	2.2	1.6	3.7	1.3	1.5	6.4	4.7	1.4	7.2	3.9	2.4
1977	3.5	2.3	1.0	3.6	1.4	1.3	6.6	4.9	1.3	6.8	4.1	1.8
1978	3.3	2.2	0.8	3.2	1.5	1.0	7.0	5.0	1.5	8.0	4.8	2.4
Jul	3.2	2.0	0.8	2.8	1.4	0.7	7.3	5.0	1.9	8.4	4.3	3.5
Aug	3.7	2.6	0.9	4.2	2.8	0.5	11.2	6.3	4.5	12.4	7.4	4.0
Sep	3.6	[illegible]	[illegible]	4.5	2.6	1.1	8.5	6.7	1.3	10.3	6.8	2.5
Oct	4.5	3.0	[illegible]	3.1	1.6	0.8	6.7	4.9	1.5	8.4	5.2	2.3
Nov	2.9	2.0	0.6	3.0	1.3	1.1	5.8	4.2	1.1	7.5	4.5	2.5
Dec	1.9	1.3	0.5	[illegible]	1.0	1.0	4.5	2.7	1.5	7.0	3.5	2.7
1979												
Jan	3.8	2.6	1.0	2.7	1.2	0.8	7.7	4.8	2.2	6.5	3.7	2.1
Feb	3.0	2.0	0.8	2.7	1.2	0.9	4.4	3.4	0.5	5.4	3.2	1.5
Mar	3.1	2.2	0.6	3.5	1.5	1.1	6.8	4.7	1.5	8.3	4.5	2.8
Apr	3.8	2.2	1.4	3.4	1.2	1.4	6.7	4.9	1.5	8.2	4.7	2.5
May	4.8	3.2	1.2	3.2	1.5	0.8	7.9	5.8	1.5	8.2	5.4	1.4
Jun	4.5	3.4	0.7	2.9	1.2	1.0	7.8	5.7	1.5	7.3	4.5	2.1
Jul	3.0	2.0	0.7	3.3	1.5	0.9	5.7	4.0	1.2	12.0	4.6	5.3

N = Negligible

TABLE 18. LABOR TURNOVER RATES IN PENNSYLVANIA
DURABLE INDUSTRIES
(Per 100 Employees)

Year & Month	All Manufacturing						Durable Goods						Furniture & Fixtures						Stone, Clay & Glass					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	3.7	2.7		3.5	1.8	0.9	3.3	2.4		3.0	1.5	0.7	6.4	5.2		6.6	4.2	1.4	4.1	2.4		3.8	1.6	1.5
1974	3.4	2.2		3.9	1.6	1.6	2.9	1.9		3.2	1.2	1.3	5.0	3.5		7.0	2.9	3.0	3.6	2.0		4.6	1.4	2.5
1975	3.3	1.4		3.9	0.8	2.3	2.8	0.9		3.7	0.6	2.5	5.8	2.0		6.1	1.2	4.1	3.9	1.0		4.6	0.7	3.3
1976	3.3	1.5	1.5	3.5	0.9	1.9	2.9	1.0	1.6	3.1	0.6	1.8	5.1	2.8	2.0	5.2	1.8	2.5	3.7	1.3	2.3	3.5	0.7	2.2
1977	3.4	1.7	1.5	3.5	1.0	1.8	3.1	1.3	1.6	3.2	0.7	1.8	6.4	3.8	2.4	5.6	2.1	2.5	3.9	1.4	2.4	3.6	0.8	2.2
1978	3.0	1.8	0.9	2.9	1.2	1.1	2.6	1.5	0.9	2.4	0.8	0.9	4.8	4.0	0.6	4.7	2.7	1.0	2.7	1.6	1.0	2.8	0.9	1.2
Jul	2.8	1.8	0.9	2.9	1.1	1.2	2.4	1.5	0.7	2.4	0.7	1.0	4.8	3.4	1.1	5.5	2.2	2.3	2.4	1.5	0.8	2.7	0.9	1.3
Aug	3.3	2.1	0.9	3.5	1.9	0.8	2.7	1.7	0.7	2.7	1.4	0.6	6.9	5.2	1.4	6.9	4.5	1.0	2.9	2.0	0.7	3.7	2.0	0.7
Sep	3.2	2.3	0.7	3.4	1.9	0.8	2.6	1.8	0.6	2.7	1.3	0.7	5.7	5.1	0.4	5.0	3.3	0.5	2.8	2.0	0.5	3.3	1.5	1.3
Oct	3.1	2.2	0.7	3.0	1.3	1.0	2.7	1.8	0.6	2.3	0.9	0.7	5.6	5.0	0.4	5.4	3.2	0.9	2.3	1.6	0.6	2.6	0.8	1.2
Nov	2.3	1.5	0.6	2.7	1.0	1.1	2.0	1.2	0.6	2.1	0.6	0.9	3.9	3.4	0.3	4.1	2.3	0.9	1.8	1.0	0.5	2.5	0.7	0.9
Dec	1.9	1.1	0.6	2.7	0.8	1.3	1.6	0.9	0.5	2.1	0.5	1.0	2.8	2.5	0.2	3.3	1.9	0.5	1.7	0.7	0.8	3.6	0.5	2.2
1979																								
Jan	3.3	1.9	1.2	3.1	1.0	1.4	2.8	1.6	0.9	2.7	0.7	1.1	4.0	3.4	0.5	5.0	2.1	1.8	2.1	0.9	1.1	4.1	0.7	2.8
Feb	2.6	1.6	0.9	2.5	0.9	0.9	2.4	1.4	0.8	2.3	0.7	1.5	3.7	2.3	1.5	4.2	1.6	1.5	2.6	0.8	1.6	2.4	0.5	1.2
Mar	3.1	1.8	1.0	2.9	1.1	1.0	2.6	1.5	0.9	2.3	0.8	0.8	4.1	3.5	0.3	5.7	2.4	1.9	3.8	1.0	2.7	2.6	0.7	1.4
Apr	2.9	1.7	0.9	2.8	1.1	1.0	2.5	1.5	0.8	2.3	0.8	0.6	4.2	3.1	0.6	6.0	2.0	2.9	3.8	1.7	2.0	2.4	0.7	1.2
May	3.6	2.3	1.0	2.8	1.2	0.9	3.2	2.0	0.9	2.2	0.9	0.6	7.8	4.3	3.3	6.9	2.2	3.2	3.8	2.3	1.3	1.9	0.8	0.6
Jun	3.6	2.6	0.7	2.8	1.2	1.0	3.1	2.3	0.6	2.3	0.9	0.8	6.5	3.8	2.4	4.6	2.4	0.8	3.6	2.6	0.7	2.3	0.8	1.0
Jul	3.2	1.8	1.2	3.3	1.1	1.5	2.8	1.6	0.9	2.7	0.8	1.2	6.6	3.5	3.0	7.6	2.0	4.5	3.2	1.8	1.3	2.4	0.7	1.2

Year & Month	Primary Metals						Fabricated Metals						Machinery except Electrical						Electric & Electronic Equipment					
	Accessions			Separations			Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	2.4	1.8		2.1	1.0	0.4	4.0	2.9		3.8	1.7	1.2	2.8	2.3		2.1	1.2	0.3	3.2	2.4		3.0	1.5	0.6
1974	2.3	1.5		2.3	0.9	0.8	3.7	2.4		4.1	1.4	1.8	2.6	2.1		2.3	1.2	0.4	2.2	1.4		2.9	1.1	1.1
1975	3.0	0.5		4.3	0.3	3.3	2.8	1.1		3.8	0.6	2.5	1.7	0.9		2.7	0.6	1.5	1.6	0.4		2.8	0.4	1.8
1976	3.3	0.6	2.4	3.3	0.4	2.2	2.7	1.1	1.5	3.5	0.6	2.2	2.4	0.9	1.4	2.8	0.6	1.7	2.1	1.0	0.7	2.2	0.6	0.9
1977	2.9	0.8	1.8	3.2	0.4	2.0	3.3	1.3	1.8	3.4	0.7	2.1	3.2	1.0	2.0	3.5	0.6	2.3	2.5	1.2	0.8	2.6	0.7	1.2
1978	2.5	1.1	1.2	2.4	0.5	1.1	3.1	1.6	1.2	3.0	0.9	1.3	2.1	1.4	0.5	1.6	0.7	0.4	2.3	1.3	0.7	2.3	0.8	0.8
Jul	2.3	1.3	0.8	1.8	0.4	0.6	2.8	1.5	1.1	2.5	0.9	0.8	2.0	1.4	0.3	1.6	0.7	0.5	2.3	1.3	0.7	2.7	0.8	1.3
Aug	2.0	1.2	0.6	3.1	1.5	0.8	3.7	2.1	1.3	3.2	1.6	0.8	2.0	1.6	0.3	1.9	1.1	0.2	2.8	1.5	0.9	2.5	1.3	0.5
Sep	2.0	1.1	0.7	2.6	1.2	0.7	3.1	2.2	0.7	3.2	1.5	1.0	1.8	1.5	0.2	1.8	1.0	0.3	2.5	1.5	0.7	2.6	1.3	0.5
Oct	2.0	1.0	0.7	2.2	0.5	1.0	3.3	2.5	0.6	2.9	1.0	1.0	2.0	1.7	0.2	1.5	0.8	0.3	2.6	1.7	0.6	2.2	0.8	0.6
Nov	1.7	0.7	0.8	1.6	0.4	0.7	2.6	1.4	0.9	3.0	0.8	1.7	1.6	1.3	0.2	1.4	0.6	0.4	2.0	1.1	0.6	1.9	0.7	0.7
Dec	1.6	0.5	0.8	1.9	0.3	1.0	1.9	1.0	0.7	2.3	0.6	1.2	1.4	1.1	0.2	1.4	0.6	0.4	1.6	0.8	0.5	1.7	0.5	0.6
1979																								
Jan	3.0	1.3	1.4	2.4	0.4	1.0	3.4	1.9	1.2	3.2	0.8	1.6	2.2	1.6	0.3	1.6	0.8	0.3	2.5	1.4	0.7	2.4	0.7	0.9
Feb	2.3	1.3	0.8	1.8	0.4	0.5	2.6	1.7	0.7	2.7	0.7	1.3	1.7	1.4	0.2	1.3	0.6	0.2	2.2	1.2	0.6	2.2	0.7	0.8
Mar	1.9	1.2	0.5	1.8	0.4	0.6	3.0	1.8	1.1	2.5	0.8	1.0	1.8	1.4	0.2	1.7	0.8	0.3	2.4	1.4	0.7	2.4	0.8	0.8
Apr	2.0	1.1	0.7	1.9	0.4	0.7	2.8	1.8	0.9	3.1	0.9	1.6	1.6	1.2	0.2	1.3	0.7	0.2	2.5	1.4	0.7	2.3	0.8	0.5
May	3.3	1.8	1.1	1.6	0.5	0.4	3.8	2.4	1.1	2.5	1.1	0.7	1.9	1.6	0.2	1.5	0.8	0.2	2.9	1.8	0.6	2.4	1.0	0.6
Jun	2.6	2.0	0.3	1.4	0.5	0.2	3.7	2.5	1.0	3.5	1.0	1.7	2.4	2.1	0.2	1.9	0.9	0.5	2.9	2.1	0.5	1.7	0.8	0.3
Jul	2.2	1.4	0.6	2.3	0.5	0.8	3.0	1.9	0.3	3.2	0.9	1.5	2.2	1.4	0.6	2.0	0.8	0.8	3.2	1.8	1.0	2.6	0.8	1.1

Year & Month	Transportation Equipment						Instruments & Related						Miscellaneous Manufacturing					
	Accessions			Separations			Accessions			Separations			Accessions			Separations		
	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO	Tot.	NH	Rec.	Tot.	Q	LO
1973	4.4	2.6		3.8	1.4	1.2	2.9	2.4		2.8	1.6	0.5	3.6	2.7		3.5	2.0	0.9
1974	4.2	2.2		4.2	1.1	2.0	2.9	2.4		2.8	1.4	0.7	3.8	2.6		4.8	1.8	2.3
1975	3.5	1.3		3.9	0.6	2.2	1.9	1.1		2.2	0.6	1.0	3.2	1.0		3.3	0.7	2.1
1976	3.2	1.1	1.6	3.5	0.5	2.0	2.1	1.4	0.5	1.8	0.7	0.6	2.6	1.5	0.9	2.7	0.8	1.2
1977	3.0	1.6	1.1	2.8	0.6	1.4	2.1	1.6	0.3	1.7	0.8	0.4	2.7	1.5	1.1	2.7	0.8	1.3
1978	3.0	1.5	1.0	2.5	0.7	1.0	2.0	1.6	0.2	1.7	0.9	0.3	2.9	1.9	0.9	2.9	1.0	1.2
Jul	2.9	1.4	1.1	3.3	0.6	1.8	1.5	1.3	0.2	1.6	0.9	0.3	2.5	1.9	0.5	2.8	1.0	1.2
Aug	3.7	2.1	1.1	3.1	1.1	0.9	1.7	1.5	0.1	2.3	1.5	0.2	2.5	1.6	0.8	3.4	1.3	0.6
Sep	3.8	2.1	1.3	2.6	1.0	0.8	2.4	1.9	0.3	2.5	1.3	0.7	3.9	2.9	0.7	3.9	1.6	0.8
Oct	3.3	1.8	1.1	2.1	0.7	0.4	2.4	2.0	0.3	1.4	0.9	0.2	4.3	3.6	0.6	2.9	1.4	1.0
Nov	2.2	1.2	0.7	1.7	0.5	0.5	1.6	1.2	0.3	1.3	0.7	0.1	1.8	1.2	0.5	4.0	1.1	2.5
Dec	1.6	0.8	0.3	2.0	0.3	1.0	1.1	0.9	0.1	1.2	0.6	0.1	1.7	0.6	1.0	5.5	0.8	4.1
1979																		
Jan	2.9	1.7	0.8	2.8	0.8	0.9	2.3	2.1	0.1	1.6	0.7	0.2	4.1	2.4	1.6	3.8	0.7	2.2
Feb	2.0	1.3	0.4	2.9	0.5	1.4	2.6	2.4	0.1	2.5	1.1	0.3	3.2	1.6	1.4	2.3	0.8	0.6
Mar	2.7	1.6	0.7	2.8	0.9	1.0	2.2	1.9	0.1	1.4	0.9	0.2	3.6	2.3	1.3	2.7	0.9	0.7
Apr	3.1	1.4	1.3	2.9	0.7	1.1	2.0	1.4	0.5	1.7	0.9	0.3	3.3	1.6	1.6	3.0	0.9	1.1
May	3.1	1.5	1.2	2.5	0.6	0.9	2.7	1.9	0.6	2.0	0.9	0.5	3.5	2.3	1.0	2.2	1.1	0.3
Jun	2.7	1.7	0.6	3.8	0.6	1.9	2.9	2.3	0.4	2.0	1.0	0.4	6.0	4.4	1.4	2.4	1.4	0.5
Jul	3.4	1.4	1.5	3.4	0.6	1.7	1.5	1.2	0.1	1.7	0.8	0.4	2.5	2.0	0.5	4.3	1.7	2.0

N = Negligible